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# AMERICAN FRUITS

FOR THE NURSERY AND FRUIT TRADE

Vol. IV

DECEMBER, 1905

No. 3



OREGON NURSERY COMPANY'S TREES IN MARCUS DALY ORCHARD, HAMILTON, MONT.



WEALTHY APPLE TREES PLANTED 10 x 10 FEET APART AT CENTRAL  
EXPERIMENTAL FARMS, OTTAWA, CANADA.

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PEACH	GREEN-HOUSE PLANTS

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All our Stock is grown at New Haven, Mo., 67 miles  
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**WILL SAVE TIME AND MONEY**

WORK IS MUCH MORE PERFECT THAN HAND WORK



It seemed to please all at Nurserymen's Convention in June. The LaSalle, Ill., Nursery people bought the sample. Several orders placed and many others said they were sure to order early. L. F. Dintleman, Belleville, Ill., at Convention, said he would have one, as it was certainly a good thing, making such perfect unions regardless of speed. Send for circulars and price.

VIENNA, ILL., July, 1, 1905.

DEAR SIR—We want one of the "Speer Grafting Machines." Don't remember if we told you we would take one when at the Convention. We don't want it before December 1st. Please let us know if we can depend upon getting it.

W. E. GALEENER & SONS,

MR. D. B. SPEER—

DES MOINES, IA.

Dear Sir—In regard to the Grafting Machine, will state that we sold the one we had with the Nursery, but I was always pleased with its work and will do all in my power to help you sell some of them.

M. J. WRAGG,  
Late of Waukegan, Ia.

D. B. SPEER—

FT. DODGE, IA., JAN. 11, 1905.

Dear Sir—If your new Grafting Machine is an improvement over your old one, it will be a good thing, as we worked the old one for five years, and our man would not do without it.

Yours truly,  
W. C. HAVILAND.

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General Agent U. S. and Canada

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We care **well** for what we do grow.  
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**200 000 two year apple**—as fine a block as there is growing in the west.

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Clean and Healthy.  
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## 1 and 2 Year Cherry and 1 Year Budded Apple

IN LARGE AMOUNTS AND GOOD ASSORTMENT

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J. W. SHADOW, Proprietor

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**Benjamin Chase, 11 Mill St., Derry, N. H.**

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Grown from North Carolina and  
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Fine Plants One and Two Years Old

*Natural Peach Pits Crop 1905 and General  
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ROCHESTER, N. Y.



# American Fruits

## An International Nursery and Fruit Trade Journal

Entered August 4, 1904, at Rochester, N. Y. Post Office as second-class mail matter

Vol. IV

ROCHESTER, N. Y., DECEMBER, 1905

No. 5

### AN ORCHARD EXPERIMENT.

**Profits From a Close Planted Wealthy Apple Orchard—Net Receipts Per Acre From 1896 to 1904 Were \$487.16—W. T. Macoun, Horticulturist of Canada Department of Agriculture Recommends Trial of Plan.**

We have received from W. T. Macoun, horticulturist of the Canada Department of Agriculture, a copy of his edition of the report for 1904. It summarizes horticultural conditions in the Dominion and contains much valuable information. His experiment with a close-planted Wealthy apple orchard is of special interest. It was shown in his report for 1902 that from little less than one-third of an acre of trees planted 10 by 10 feet apart in the spring of 1896 the receipts had been \$307.01, or at the rate of \$940.15 per acre, and the expenses per acre \$454.62, leaving the net receipts per acre \$485.53. The trees began bearing well in 1899 and the receipts represent the money obtained for the fruit for four years' crops. These net receipts meant an average per year of fruiting of \$121.38 per acre. There are 131 trees in this orchard left out of an original number of 144.

The crop in 1903 was a light one, being 161 gallons picked fruit, and 162 gallons windfalls, or a total crop of about 13½ barrels, but this year it was very good, and while the fruit was smaller it was highly colored and sold as well as could be expected on such a glutted market as there was this year.

From 1899 until the autumn of 1904 receipts per acre were \$1,486.61; expenses from 1896 to 1904, \$999.75; net receipts, \$487.16.

While this system of close planting is not recommended for general adoption, it is well worthy of a trial by fruit specialists who will give sufficient attention to it. Only a few varieties of apples are suitable for close planting. Wealthy being one of the best, and Wagener probably almost as good, on account of their early bearing habit.

On the outside front cover of this issue of AMERICAN FRUITS is shown a cut of this Wealthy orchard.

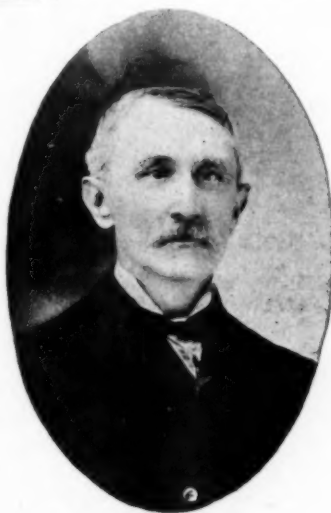
### CUSTOMS RULING.

The following communication, sent to the Collector of Customs, New York, by Assistant Secretary of the Treasury Reynolds, under date of November 3, 1905:

Referring to the decision of the Board of United States General Appraisers, G. A. 6169 (T. D. 26772), of October 10, 1905, I desire to inform you that the Department is advised that it can be shown by competent testimony that the rhododendrons and laurel held by the board in that decision to be evergreen seedlings, within the meaning of paragraph 252 of the act of July 24, 1897, are in fact nursery stock, as assessed, and are so considered in the trade. You are therefore hereby directed to file an appeal from the said decision, in accordance with the provisions of section 15 of the customs administrative act of June 10, 1890.

### E. G. MENDENHALL.

E. G. Mendenhall, a prominent horticulturist of Southern Illinois, the fruit section of that state, has been secretary of the horticultural society of Southern Illinois for fifteen years. Mr. Mendenhall is the general Western agent for the celebrated Clark cutaway harrow tools for orchards. Mr. Speer of Blue Grass, Iowa, the inventor of the nurserymen's grafting machine, secured Mr. Mendenhall for the introduction of his machine in the United States and Canada. Mr. Mendenhall is one of the old boys of the 60's and is one of the best known members of the American Association of Nurserymen.



E. G. MENDENHALL.

### NATIONAL APPLE DAY.

We are gratified to receive good reports of the general observance of National Apple Day all over the United States, says James Handly, Quincy, Ill., one of the chief advocates. Like other movements it had its day of small beginning, but its quiet observation in many places was effective in sowing good seed that will take lasting root and show excellent results with passing years. The Boston papers gave good reports of the observation of the day in that city and throughout different parts of New England. Among the pleasantest things noted is the work of those interested in the apple industry in New Hampshire. In many places in that state the school children were given trolley party rides into the country to see the orchards and the autumn foliage on the trees. Oklahoma deserves special mention for its enthusiasm in observing this day. In most places the school children were given apples, literary exercises were held suitable for the occasion and many families vied with each other in efforts to discover the many different ways apples could be cooked and served on dining tables.

At the Worcester, Mass., Horticultural Society's annual meeting were shown clusters of grapes weighing five pounds each.

### PRICES ADVANCING.

**Pear Tree Demand Greater Than Supply—Brisk Demand for Pear Seedlings—Demand for Commercial Varieties of Apple Trees Growing Stronger—Cherry Prices Lower, Demand Good—Good Demand, Supply and Prices for Peach Trees.**

F. W. WATSON, KANSAS,  
VICE-PRESIDENT, A. A. N.

Fall trade has been very satisfactory. Apple, commercial varieties rather slow sale at beginning of season, demand growing stronger at close, especially for spring delivery. Pear demand greater than supply, price advancing. Cherry prices lower, but demand good. Plum, good demand, only fair supply. Apricot, shortage, demand good. Peach, good price, good supply, good demand.

Apple seedlings, digging about over, most blocks are turning out very much short of estimate on No. 1 straight grade. Prices have ranged lower than usual. The seedling growers have run into something new. In trying to grow apple seedlings all on new land they have got an extra lot of branched stocks, new land making more branched than straight seedlings. From present indications branched seedlings will run lower and No. 1 straight roots higher before the winter is over. Pear seedlings, brisk demand and prices advancing.

Inquiries for spring trade have a hopeful ring.

### CALIFORNIA ORANGE CROP.

Early last month the new crop of California oranges began to move eastward. The California orange is practically a perennial fruit. By far the greater portion of the commercial crop is grown in the southern part of the state, but the fruit can be safely and profitably raised along the foothills of the Sierra Madre mountains from San Diego to Tehama counties, a distance of over 700 miles. How rapid has been the growth of the orange industry in northern California is shown by the fact that in 1893 four cars of oranges were shipped from the Sacramento valley, 81 cars were shipped in 1896 and in 1901 the shipments had grown to 2,341 cars.

The Florida crop this year is estimated at 1,500,000 boxes, or about 3,000 cars. The state was formerly the leader in orange culture, and the year ending with the spring of 1894 the crop reached the large figure of 6,000,000 boxes. But the winter of 1894-5 two successive freezes swept the Florida groves, killing all the trees save those in the extreme southern portion of the state. In the following season the crop was only 75,000 boxes. Since that time the history of the Florida orange industry has been a tale of ups and downs. By 1902 the output had climbed to 1,250,000 boxes, when it received another setback and fell to 750,000 boxes in the following year. Last year the crop was 1,875,000 boxes. Arizona, Louisiana, and Texas have also recently entered the orange market.

## NURSERY INSPECTION

### NEW YORK NURSERIES.

**Summary of the Work of Inspection by Department of Agriculture—Four Hundred and Fifty-seven Certificates Issued—Quantity of Nursery Stock Contained in Empire State Nurseries at Last Report.**

Commissioner Charles A. Wieting, of the Department of Agriculture of New York State, reports that there are 459 nurseries in the state, embracing 8,442 acres. They contained at the time of his last report 11,530,095 apple, 5,203,965 pear, 1,733,200 dwarf pear, 6,070,665 plum, 7,192,385 cherry, 4,751,505 peach, 502,000 quince, 85,230 apricot, 5,703,200 ornamental trees, 7,414,785 shrubs, 4,906,400 currants, 28,961,050 grape vines; also 42 acres currants, 252 acres raspberries, 121 acres blackberries, 158 acres strawberries and 468 acres vineyards.

During 1903 the agents of the department examined nursery stock consigned in 88 cars, 1777 boxes, 1077 bales. In this examination 99 shipments comprising 17,635 trees were found to be infested with San Jose Scale and 3,568 with crown gall.

The fact that this inspection is made is an assurance that nursery stock which is allowed to be shipped in and from New York State is reasonably free from the defects named. The importance of the inspection and the guaranty that it gives are thus manifested.

Certificates to the number of 457 were issued by the department.

The agents in this work have devoted as much time as possible, after the completion of their nursery work, in examining the orchards of the state to ascertain whether they were infested with insect pests or infectious diseases coming within the provisions of the statute. Their work has disclosed the following state of facts: They have examined 890 orchards during the year within the state embracing 6777 acres, in which were 730,042 trees in the aggregate, namely, 109,406 apple, 98,022 pear, 15,160 dwarf pear, 51,927 plum, 444,021 peach, 6,354 cherry, 1,114 apricot, 4,038 quince,  $13\frac{1}{4}$  acres of currants,  $8\frac{1}{2}$  acres of strawberries,  $13\frac{1}{4}$  acres raspberries,  $14\frac{1}{2}$  acres blackberries, 14 acres gooseberries and  $102\frac{1}{4}$  acres vineyards.

They found 162 orchards with San Jose Scale and 104 orchards infected with peach yellows and little peach.

Trees infested with San Jose scale have not in all cases been destroyed but have been treated by the owner or owners under instructions from, or surveillance of, agents of this Department.

In this work they have found 25,021 trees which have been treated as indicated. All trees infected with peach yellows and little peach were destroyed; for these diseases 5,619 were burned.

Prof. Waite of Washington, whose work in connection with the pear blight is so well known in the Sacramento valley is in California, to study conditions.

Jamaica oranges are now being sold on the Pacific Coast in competition with California Valencias and early navels from the Pottersville country and Butte county. It is argued that the cent-a-pound tariff on oranges should be maintained.

### INSPECTOR ORR'S FINDING.

Prof. A. W. Orr of Arp, Smith county, Texas, state fruit tree inspector, an office created by the last legislature, has made an inspection of the nurseries of Texas and says he has found that the fruit trees in that state are singularly free from disease and pest insects.

"If an intelligent public," said Prof. Orr, "would learn how to patronize Texas nurseries when in need of fruit trees and not go outside of the state for them, it would be much better for them and all concerned. I find from investigation that practically all diseased fruit trees in the state have been shipped here from other states. In a majority of cases these trees failed to stand an inspection for the eastern market and are sold to Texas people."

### AN EVENT IN HORTICULTURE.

The annual meeting of the Illinois State Horticultural Society, to be held at Champaign December 12 to 15, 1905, will be the fiftieth. The program this year is much more elaborate than usual and has a cover of special design, printed in colors, presenting a neat and tasty appearance.

As this is the semi-centennial of the society, there will be special anniversary papers giving the history of the Society and the biography of its early members and the history and development of its various branches of horticulture. These anniversary papers will be interspersed through the program and will, undoubtedly, be rich in facts and incidents of the early times. The consideration of vital horticultural questions of the day will also be in able hands and the program will be, in every way, worthy of this important occasion.

At the opening session, Tuesday evening, Prof. Blair will have a paper on the "Apple Crop of 1905." Other papers will be given on "Cane Fruits," "Strawberries," "Cherries," etc.; and "Spraying Experiments," by Prof. Crandall of the State Experiment Station, will be a resume of his work during the season. Liberal premiums will be given for fruit and vegetables and this will bring out a large exhibit.

Copies of the program and premium list may be obtained on application to the secretary, L. R. Bryant, Princeton, Illinois.

One hundred and thirty-two nurserymen of Iowa have received certificates of inspection from the state entomologist covering shipments up to June, 1906.

W. E. Britton, state entomologist of Connecticut, reports that there are 34 nurseries in that state which have received certificates of inspection.

Enos B. Engle, nursery inspector of the Pennsylvania Department of Agriculture, reports that 119 nurserymen in that state have inspection certificates for the year ending July 31, 1906.

Of the thirty-three nurserymen outside of Michigan who are doing business in that state twelve are Rochester, N. Y. concerns and nine are in other parts of New York state.

The total cost of inspection assessed against Illinois nurserymen in 1903 was \$1,029.26; for 1904 \$1,081.71, an average of \$3.52 per nursery for the first year and \$3.69 for the second year.

M. J. Wragg Nursery Co., Des Moines, Ia.—  
"We are much pleased with AMERICAN FRUITS."

### VIRGINIA REGULATIONS.

**Official Report by State Entomologist Phillips Regarding Compliance With State Inspection Laws by Nurserymen in Twelve States Who Do Business in Virginia and by Thirty-eight Virginia Nurserymen.**

State Entomologist J. L. Phillips, Blacksburg, Va., has issued the following announcement to nurserymen and fruit growers, relating to the purchase of nursery stock:

"We are constantly finding new cases of San Jose Scale in the state, most of which are traceable to nursery stock purchased from non-resident nurserymen, and I wish to urge nurserymen and fruit growers to be careful about buying nursery stock and to demand that all nurserymen who sell stock comply with the requirements of the Virginia law, and thus help to prevent the spread of dangerously injurious insects and plant diseases. Persons who handle nursery stock without complying with the law are liable to prosecution.

"A list of the nurserymen who have complied with the Virginia law and obtained official tags for making shipments to Virginia is appended. There is also appended a list of the Virginia nurserymen to whom we have issued a certificate of nursery inspection this season. A few other state nurseries have been inspected, and will be entitled to a certificate of nursery inspection as soon as they are registered.

The list referred to shows that nurserymen who have complied with the Virginia law and have procured tags entitling them to ship nursery stock into Virginia are in number, as follows, by states: Alabama, 3; Delaware, 1; Georgia, 1; Illinois, 1; Maryland, 4; Missouri, 1; North Carolina, 5; New Jersey, 2; New York, 9; Ohio, 2; Pennsylvania, 7; Tennessee, 3.

Thirty-eight Virginia nurserymen have received certificates of nursery inspection for this season.

### NATIONAL COUNCIL HORTICULTURE.

H. C. Irish, secretary, reports that the following firms have each subscribed \$10 through Philip Breitmeyer of the S. A. F. Committee, toward carrying forward a newspaper campaign of publicity on behalf of the commercial florists of the country through the National Council of Horticulture: John Breitmeyer's Sons, Ernest Weinhoeber Co., John F. Wilcox, H. N. Burns, Henry A. Dreer.

The following firms have each subscribed \$10 through C. E. Kendel of the American Seed-Trade Association, toward carrying forward a newspaper campaign of publicity on behalf of the commercial seedsmen of America, through the National Council of Horticulture: Vaughan's Seed Store, W. Atlee Burpee & Co., Johnson & Stokes, William Henry Maule.

The following firms, through J. H. Dayton of the American Association of Nurserymen, have subscribed on behalf of the commercial nurserymen: Brown Bros. Co., I. E. Ilgenfritz Sons' Co., C. W. Stuart & Co., Alabama Nursery Co., D. S. Lake, Huntsville Wholesale Nurseries, Ellwanger & Barry, E. S. Welch, The Storrs & Harrison Co.



## UNDER SOUTHERN SKIES

### SOUTHERN PEACH PROBLEM.

**Protective Peach Growers' Association Suggested Along Lines Similar to Those of the Cotton Growers and California Raisin Growers' Organizations — Great Volume of Georgia, Texas and Alabama Peach Crops.**

What will the Southern peach growers do next year? Will the Georgia shipper take chances against meeting train after train of consigned Texas peaches on the Cleveland, Cincinnati and similar markets? Is there any good reason for assuming that with normal crop conditions next season, the markets will be in better condition than this? asks the Mobile, Ala., Register.

With quick transportation and ice to hold peaches in condition, the growers in this latitude can roll hundreds of carloads into the same general markets. Routing out of these central markets is extremely hazardous.

The volume of the Texas, Alabama and Georgia peach crops is such as to justify a shipping organization among Southern peach growers. What form should it assume? Of what material should it be composed? Along what business lines should it be projected?

The peach-growing business has reached such a stage in its development that we must make the peach business paramount through an organization composed of certain growers, solidified on the following points:

1. The membership, for the first year, should be of experienced growers and shippers of known acreage.
2. The listed acreage of bearing trees (three years old and over) should approximate 20,000 for the season of 1906.
3. Membership in this incorporated peach growers association should be on a joint stock basis, the number of shares to be distributed by ownership or control of acres in bearing.

Other details will suggest themselves to the organizers. The object of the foregoing is to propose to our peach growers that it is high time that they leave the happy-go-lucky system of marketing so long practiced and that the peach crop grown by one-fifth or one-third of the orchardists of this lower latitude go into the world's markets as property of an organization. The period of hurtful competition is brief. In what manner can it be safely avoided? Where is the nucleus of a protective peach association?

### HOW FANCY GOODS PAY.

B. A. Towne, of Lodi, Cal., the famous vineyardist and shipper of Tokay and Emperor grapes, who has opened the eyes of the growers on the coast to the possibilities of the Tokay, wound up his shipping season with a display of the above-named varieties on Pier 20 yesterday, that to say the least was a revelation to the New York trade, says the Fruitman's Guide. Car F.

G. E. 18590, shipped from Lodi, Cal., November 1, was exhibited and sold by C. E. Thurston, containing 1,011 crates and quarter crates of extra fancy Tokays and Emperors, packed under the "Gold Medal" and "Golden Rod" brands, known throughout the country as "the standard of quality." Most of the fruit consisted of exceptionally handsome clusters, and the crates were cleated so high as to give them the appearance of "doubles." Owing to the lateness of the season (Tokays being practically cleaned up at this writing) the condition was not of the best, otherwise a record would have been made that would



ORIGINAL PLANT OF CITRUS TRIFOLIATA, IN FRUIT, P. J. BERKMANS COMPANY, AUGUSTA, GA.

have discounted all previous high sales. As it was the car grossed \$1,876.40.

At the recent Roswell, N. M., fair, Parker Earle, the recognized authority on horticulture, won first prize on display of pears.

W. L. La Follette, a son of Governor La Follette, of Wisconsin, is said to be making a fortune in fruit growing on the Snake River Wash.

Notwithstanding his recent declaration against the Ben Davis apple, P. M. Kiely, St. Louis, received and sold a car of Ben Davis apples last month at the record price of \$3.87 and \$4.07 per barrel.

Nearly half a million dollars is the price brought by the green fruit of Southwestern Idaho during the season of 1905, says the Boise Statesman. That is the estimate of those most familiar with the fruit situation in Ada, Canyon and Washington counties.

### IN VIRGINIA NURSERIES.

**Low Prices and Losses from Root Gall Have Driven Some Out of the Business—Dry Fall and Digging Very Hard, Delaying the Work—Little Surplus at Richmond Except Peach and Some Apple.**

W. T. HOOD, VIRGINIA,  
VICE-PRESIDENT A. A. N.

From inquiries for stock, I think most Virginia nurserymen have been doing very little for some years, and some that have been growing a good deal of stock, especially apple have quit. I suppose that is because they have been selling at such low prices and having such heavy loss from root gall, the business has not been paying.

We plant about the usual amount each year, though we planted more apple and pear last spring.

Our sales have been about the same as 1904; did not sell as much through agents, but more through dealers. Have had one of the driest falls since 1881 and digging has been very hard, having to do all with pick and shovel and as the extra labor we had to have has been very indifferent, and high, it has made it very expensive, and we are so very late we are afraid cold weather will catch many of our delivery points. We have had it quite cold on several days, thermometer falling as low as 15 degrees on morning of 15th.

We will have very little surplus for spring, except peach and odd varieties of apple, which we always have from growing such long list of apples for agents' sales. We have found it very hard to get enough early apples for our sales this fall of varieties we were short of, and have been disappointed in getting what we bought of them, as parties we bought of could not fill on account of the loss they had from supposed root gall.

Richmond, Nov. 23, 1905.

Griffith & Turner Company, Baltimore, Md., have spared no pains or expense in preparing nitrogen culture, and have secured the services of Dr. R. P. Cowles, A. B., of Leland Stanford University, and Ph. D. of Johns Hopkins University, who is a thoroughly competent biologist and who is to carry on experiments for our information.

Nitrogen Culture is put up in garden packages, 1/2, 1, 2, 3, 5, 10 and 50 acre packages. The subject of soil bacteria was one of the greatest interest at the last convention of the American Association of Nurserymen.

The company paid a visit to Washington for the express purpose of obtaining all necessary information regarding the proper growing of soil bacteria, so as to be in full accord with the department, and it is its purpose to produce nitrogen culture under full instructions from the Department without regard to cost of materials.

F. E. Wolcott, manager of the Fruit Growers' Express says that in spite of the off years he would like to own a Michigan peach orchard. He has had exceptional opportunity for practical observation of the field.



## IN NURSERY ROWS

### MINIMUM CAR LOTS.

**Chairman W. C. Reed of the Transportation Committee of the American Association Reports Another Concession by the Railroads — Southwestern Tariff Committee Grants Changes in Designation-To Appear Before Southern Committee**

W. C. REED, INDIANA,

CHAIRMAN TRANSPORTATION COMMITTEE, A. A. N.

As chairman of the transportation committee of American Association the writer appeared before the Southwestern Tariff Committee, at their meeting in St. Louis, Mo., November 14th.

This committee controls the territory of Texas, part of Louisiana, Indian Territory and Oklahoma. That is the Western Classifications but file exceptions to same, and one of these exceptions being fruit trees in carload lots, they still holding to the 20,000 minimum.

In appearing before this committee we asked of them what we wanted and was granted by the Eastern Classification Committee, which will give us 16,000 lb. min. in cars under 36 ft., 6 in., 20,000 lbs. in cars 36 ft. 6 ins to 45 ft. 6 in.; 24,000 lbs. on cars over 45 ft. 6 in.

I am pleased to report that the committee has voted favorably on this request and that same will go into effect as soon as ratified by the members of this committee that were not present, there being a few members absent from the meeting; however, do not think there is any doubt that these members will sanction the answer of the committee.

We have made application also for the above changes with the Southern Classification Committee and will appear before this committee at their meeting at the New Seelback Hotel, Louisville, Ky., Dec. 5th.

Will be glad to have the co-operation of all the Southern nurserymen and trust they will write their general freight agents urging the changes asked for.

Vincennes, Ind., Nov. 20, 1905.

### ONE CAUSE OF DEMAND FOR NURSERY STOCK.

Nurserymen have noticed that they have an increased number of orders for fruit that paid well during the preceding season, says Colman's Rural World. This brings our attention to the tendency of many farmers to decide upon the kind of fruit they will grow by the success of a single season. The decision may often prove a profitable one; yet many times when made without due consideration of the conditions to be contended with it results in failure. The soil upon which the planting is to be done may be particularly adverse to the growing of the crop; the location may make success impossible in the average year; and the market to which one must cater may have no need or use for the fruit selected. The many dilapidated orchards over the state are either the result of too little deliberation on the conditions to be dealt with or a failure to carry on the work after it had once been started. Most of those who have become discouraged with the fruit business could trace the cause to one of these reasons.

### BROWN BROTHERS' PURCHASE.

Brown Brothers Company, Rochester, N. Y., have purchased the nursery stock in the large nursery of Irving Rouse, adjoining the City of Rochester on the west. Mr. Rouse retains possession of the land and will continue to conduct his extensive business of importing French seedlings.

### T. J. DWYER & CO., BUSY.

Among recent shipments by T. J. Dwyer & Company, Cornwall, N. Y., was a carload of fruit trees to the country estate of W. K. Vanderbilt, Jr., at Great Neck, L. I. They have the contract for all trees and shrubs in the considerable improvements to be made by the Wallkill Valley Cemetery Association, under the direction of the noted landscape gardener, Downing Vaux. They will also supply Charles E. Fowler of Scott's Emulsion fame, with a large quantity of plants for his country place at Tompkins Cove, and also for several of the fine country homes around Central Valley, three of which have just been supplied.

James McHutchinson, New York City, called upon nurserymen of Western New York last month.

The warehouse and stock therein of the Oregon Nursery Company, at Salem, Ore., was damaged by fire to the extent of \$40,000, on November 2d.

J. Van Lindley is president of the J. Van Lindley Nursery Company, capitalized at \$60,000, Pomona, N. C. Paul C. Lindley is vice-president and G. S. Boven is secretary and treasurer.

M. L. Ball and S. R. Sutton, nurserymen from St. Paris, O., have been at Connellsville, Pa., superintending the planting of 2,500 fruit trees on the farm of Mrs. Sarah B. Cochran, in Lower Tyrone township.

The Spaulding Nursery and Orchard Company, Spaulding, Ill., established in 1857, has a paid up capital of \$100,000. Its members are Irving E. Spaulding, Albert S. Spaulding, C. S. Fisher and F. R. Fisher.

According to a communication received by John Isaac, secretary to the Horticultural Commissioner, from Luther Burbank, the latter will be present at the California State Fruit Growers' Convention which is to meet at Santa Rosa the first week in December.

Elwood Cooper, president of the California Horticultural Commission, has issued a circular invitation to all fruit growers, shippers, winemakers, raisin growers, packers, nurserymen and others interested in horticulture, to attend the thirty-first annual convention of fruit growers, to be held in Santa Rosa, December 5th to 8th, inclusive.

The Editor of AMERICAN FRUITS acknowledges receipt of fine samples of the famous Anjou pears grown by Ellwanger & Barry, Rochester, N. Y. This recalls a statement made recently by a man who had traveled extensively in Europe. "I found that the name of Ellwanger & Barry was better known in very many places in Europe than the name of the President of the United States."

The Durant Nursery Company, Durant, Indian Ter., incorporated for \$25,000, has these officers: President, C. C. Mayhew, Sherman, Tex.; vice-president, A. Frank Ross, Durant, I. T.; secretary and general manager, W. R. Collins, Durant, I. T.; treasurer, E. F. Rines, Durant, I. T. Directors include all the officers and Edward Rines and Dr. J. L. Shuler of Durant.

### NURSERYMEN ORGANIZE.

**John S. Kerr, W. H. Chisholm and Others Form Dayton Orchard and Nursery Company — Own Three Hundred and Twenty Acres Near Town of Dayton, N. M. — Plans of the Company — The Directors**

The Dayton Orchard and Nursery Company of Dayton, N. M., has been organized at Sherman, Texas, and application will be made for a charter under the laws of New Mexico. The directors were chosen as follows: W. H. Chisholm, J. S. Kerr and D. W. Gulick, Sherman; C. W. Chisholm and E. C. Higgins, Dayton, N. M. The directors in turn elected officers as follows: W. H. Chisholm, president; W. E. N. Mulkey, vice-president; P. R. Markham, treasurer; O. D. McReynolds, secretary.

The company owns 320 acres of land adjoining the town of Dayton and it is proposed to plant 120 acres in orchard, 120 acres in alfalfa, 40 acres in nurseries and 40 acres will be platted into town lots as an addition to the town of Dayton.

### A FEW OF THEM LEFT.

A Richmond, Ind., paper cites the case of a man who was a fluent talker and did a large business taking orders for \$30 and \$40 worth of trees from single individuals. He took the orders some time ago and one farmer who thought his trees ought to be in, wrote to the Phoenix Nursery company, asking when the trees would be shipped, and what date they would reach this point. He received a letter a few days later, stating that the man mentioned was not in the employ of the company and that they know nothing of him.

### WRAGG COMPANY'S PURCHASE.

M. J. Wragg has purchased the Midland Nursery company's property at 28th and Grand avenues, Des Moines, Ia. He has taken over the nursery stock and all of the property of the company. Manager Chapin of this nursery died a few weeks ago and in settling the estate the property of the nursery company was put up for bids by the court. This will be consolidated with his M. J. Wragg Nursery company and will furnish additional equipment in the work of landscape gardening in which Mr. Wragg is also extensively interested as an expert.

### NURSERYMAN IN LEGISLATURE

Orlando Harrison, Berlin, Md., was elected a member of the Maryland legislature at the election last month. He says that he will endeavor to remove any objectionable features of the Maryland Nursery inspection law.

Mr. Harrison's candidacy was indorsed by the Anti-Saloon League.

J. F. Gaylord, Catskill, N. Y., says the Defender Sprayer, all brass, is the easiest working, most powerful automatic mixer, with expansion valves and double strainer.

George B. Katzenstein, manager of the Earl Fruit company, says that next year there will be a larger area in fruit than ever in California. There is a steady broadening of the fruit acreage. Nurserymen say that they are already sold out of choice stock in pears and peaches.

## TRANSPORTATION MATTERS

### STATE TRANSPORTATION LAWS.

**Detailed Information of Value to All Who Ship Nursery Stock—First of a Series of Articles Summarizing Requirements by States Regarding Inspection, Certification and Transportation—Addresses for Those Who Desire Further Information.**

We present herewith the first of a series of articles summarizing the requirements of the several states of the Union regarding inspection, certification and transportation of nursery stock, as compiled by Charles A. Wieting, commissioner of agriculture of New York state; also the addresses of persons who can give further information. Preserve your copies of *AMERICAN FRUITS* for reference:

**Alabama**—The State Board of Horticulture controls inspection within the State. Nurseries are inspected each year after the 15th of July. Persons outside the State wishing to do business in the State of Alabama must file a signed duplicate certificate of inspection with the Secretary of the Board and obtain official tags for each box or package delivered in the State. (Code 1903.) Prof. R. S. Mackintosh, Secretary and State Horticulturist, Auburn, Ala.

**Arizona**—No law. Mr. R. H. Forbes, director, Agricultural Experiment Station, Tucson, Ariz.

**Arkansas**—Shipments of nursery stock into the State must be accompanied by a certificate of inspection and bear the name and address of consignee and consignor, otherwise the transportation company must notify the consignor and not deliver the shipments until a certificate is furnished. (Laws of 1903.) Mr. C. F. Adams, Entomologist and State Inspector, Fayetteville, Arkansas.

**California**—Inspection is made of all nurseries and orchards of the State. Shipments into the State are subject to inspection on arrival and must be marked with the name and address of shipper, name of consignee and name of place where grown. Notice of shipment should be given to Mr. Edw. M. Ehrhorn, Deputy Commissioner of Horticulture, Ferry Building, San Francisco, Cal.

#### COLORADO LAW.

**Colorado**—Shipments of nursery stock into this State must be plainly labeled with the names of the consignor and consignee, and place where grown. Notification of shipment should be made to the Secretary of the State Board. All stock is inspected by county inspectors within forty-eight hours after arrival. (Law 1897.) Martha A. Shute, Secretary, State Board of Horticulture, Denver, Col.

**Connecticut**—Certification and treatment of nursery stock is discretionary with the State Entomologist. Shipments of nursery stock into the State shall bear a statement that it has been thoroughly fumigated in addition to the certificate of inspection issued by a State or Government officer. (Chapter 338 Laws of 1903.) Dr. W. E. Britton, State Entomologist, New Haven, Conn.

**Delaware**—Shipments into the State must bear a certificate of inspection from a duly qualified State officer of the State in which the shipment originated, given not earlier than September 1st. Fumigation may be required by State Board of Agri-

culture. Prof. Wesley Webb, Inspector, Dover, Del.

**Florida**—No law. Certificates to nurserymen are issued by Dr. E. H. Sollards, Entomologist, Agricultural Experiment Station, Lake City, Fla.

**Georgia**—Nurseries are inspected regularly. Duplicates of inspection certificates, together with a signed statement by the nurseryman that all stock intended for Georgia will be fumigated in accordance with directions furnished them, must be filed in the office of the State Entomologist. The official tags of the State Board of Entomology will be furnished by the State Entomologist at actual cost of printing. Each shipment into the State must be labeled with the official tag and also with the certificate of inspection of the State from which the shipment is made. (Regulations adopted Jan. 6, 1904.) Mr. R. I. Smith, State Entomologist, Atlanta, Ga.

#### IDAHO REGULATIONS.

**Idaho**—No person can engage in the business of selling or importing nursery stock without filing a bond and acquiring authority from the State Board of Horticulture. Shipments into the State must bear an authorized certificate of fumigation, together with labels on each package showing names of consignor, consignee and name of place where stock was grown. Mr. A. McPherson, State Horticultural Inspector, Boise, Idaho. (Horticultural Law, Seventh Session.)

**Illinois**—Nurseries are subject to inspection by the State Entomologist. Shipments into the State must be accompanied by certificates of inspection. Prof. S. A. Forbes, State Entomologist, Urbana, Ill.

**Indiana**—State nurseries shall be inspected at least once each year. Every package shipped into the State should be labeled with the name of consignor and consignee, and a certificate of a State or Government inspector of current year's date. (Chapter 138, Laws of 1899.) Prof. J. Troop, State Entomologist, Lafayette, Ind.

**Iowa**—State nurseries are inspected at owner's request, or if supposed to be infested with scale, and nurserymen are prohibited from shipping without the inspection. Shipments into the State must be accompanied by a certificate of apparent freedom from scale. (Chapter 23 of the 27th General Assembly.) Prof. H. E. Summers, State Entomologist, Ames, Ia.

**Kansas**—No law. The Governor granted a commission to Mr. E. A. Popenoe, Professor of Entomology, Kansas State Agricultural College, Manhattan, Kan., as State Inspector of Nurseries.

**Kentucky**—Nurseries are inspected yearly. Every package shipped into the State must have a copy of the certificate of inspection attached. (Kentucky Statutes, 1903, section 1925a.) Mr. H. Garman, State Entomologist, Lexington, Ky.

**Louisiana**—Nursery stock shipped into the State must be labeled with a certificate

of inspection. Shipments not so labeled shall be liable to confiscation. The entomologist has power to require any one in the State to fumigate trees and plants if deemed necessary. (Laws of 1904 and Circular No. 1.) Mr. Wilmon Newell, Entomologist of the Crop Pest Commission, Shreveport, La.

**Maine**—Nurseries are inspected at least once a year by an entomologist employed by the Commission of Agriculture. All nursery stock shipped into the State shall bear on each box or package a certificate of inspection, otherwise stock will be returned at the expense of the consignor; provided, however, that any shipment bearing a certificate of fumigation in the form of an affidavit made before a Justice of the Peace that all stock sold by the consignor has been fumigated in a manner approved by the Inspectors of the State from which said stock is shipped may be accepted as those bearing the proper certificate of inspection. (Laws 1905.) Hon. A. W. Gillman, Commissioner of Agriculture, Augusta, Me.

**Maryland**—Nurseries inspected at least once in six months. All nursery stock subject to an attack of insect pests must be fumigated under direction of State officials. Shipments into the State must be labeled with the name of consignor and consignee and each package bear a certificate of inspection. Duplicate certificates should be filed with the State Entomologist. (Chapter 289, Laws of 1898.) Prof. T. B. Simons, State Entomologist; Prof. J. B. S. Norton, State Pathologist, College Park, Md.

#### EXCESS OF WATER IN FRUITS.

There has been a good deal of criticism of California fruit; that its quantity has been greater than its quality; that it has more fibre than flavor; that it looks better than it tastes; and it will be admitted even in Riverside, that vast quantities of poor stuff have been shipped to the Eastern markets. But that period is over, according to Mr. Chase and other big growers of California, says a writer from the southern part of the state. They say that the quality of the fruit here, more than anywhere else, depends upon the manner of its cultivation and the faster the fruit grows the less valuable it is, up to a certain limit. The excessive use of water is also responsible for a great part of the poor stuff which has hurt the reputation of California orchards. It has been demonstrated beyond doubt that in fruit growing the less water used the higher the quality of the fruit. Too much moisture not only makes a coarse fiber but destroys the flavor. This is true of all fruits and vegetables, but most farmers have not realized the fact until recently and have turned on their soil all the water it would soak up.

The capital stock of the Spencer Seedless Apple Co. of Denver has been increased from \$300,000 to \$3,000,000.

G. Harold Powell, of the bureau of plant industry, Washington, D. C., visited the college of agriculture at Ithaca, N. Y., last week. He recently returned from California where he studied conditions affecting the shipment of fruit.



## AMERICAN FRUITS

An international monthly Nursery and Fruit Trade Journal, circulating throughout the United States and Canada and in foreign countries, covering every branch of the industry.

A Business Journal for Business Men.

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Correspondence from all points and articles of all kinds, of interest to the Nursery and Fruit Trade are solicited.

Rochester, N. Y., December, 1905.

### FRUIT ASSOCIATIONS.

**American Pomological Society**—President, L. A. Goodman, Kansas City, Mo.; secretary, John Craig, Ithaca, N. Y.

**International Apple Shippers Association**—President, C. H. Weaver, Chicago, Ill.; secretary, A. Warren Patch, Boston, Mass.

**National League of Commission Merchants**—President, George F. Mead, Boston; secretary, A. Warren Patch, Boston, Mass.

**Northwest Fruit Growers Association**—President, E. L. Smith, Hood River, Ore.; secretary, M. Hoffman, La Grande, Ore.

**Mississippi Valley Apple Growers Association**—President, C. H. Williamson, Quincy, Ill.; secretary, James Handy, Quincy, Ill.

**American Cranberry Growers Association**—President, Rev. E. H. Durell, Woodbury, N. J.; secretary, A. J. Rider, Philadelphia, Pa.

**Fruit Growers Association of Ontario**—President, A. McNeill, Ottawa, Canada; secretary, P. W. Hodgetts, Toronto.

**Nova Scotia Fruit Growers Association**—President, Ralph S. Eaton, Kentville, N. S.; secretary, S. C. Parker, Berwick, N. S.

**American Apple Growers Congress**—President, H. M. Dunlap, Savoy, Ill.; secretary, T. C. Wilson, Hannibal, Mo.

**Western Fruit Jobbers Association**—President, E. M. Ferguson, Duluth, Minn.; secretary, E. B. Branch, Omaha, Neb.

**Missouri Valley Horticultural Association**—President, George W. Holsinger, Argentine, Kan.; secretary, H. E. Chandler, Argentine, Kan.

**Fruit Growers' Association of Prince Edward Island**—President, Rev. A. E. Burke, Alberton; secretary, A. E. Dewar, Charlottetown.

**American Federation of Horticultural Societies**—President, William H. Barnes, Topeka, Kan.; secretary, Charles E. Bassett, Fennville, Mich.

**National Nut Growers' Association**—President, G. M. Bacon, DeWitt, Ga.; secretary, J. F. Wilson, Poulan, Ga.

**National Horticultural Council**—Chairman, J. C. Vaughan, Chicago; secretary, H. C. Irish, St. Louis.

### NURSERY ASSOCIATIONS.

**American Association of Nurserymen**—President, Emory Albertson, Bridgeport, Ind.; secretary, George C. Seager, Rochester, N. Y.

**American Nurserymen's Protective Association**—President, R. C. Berckmans, Augusta, Ga.; vice-president, A. L. Brooke; secretary, Thomas B. Meehan, Dreshertown, Pa.; treasurer, Peter Youngers. Meets annually in June.

**Nurserymen's Mutual Protective Association**—President, N. H. Albaugh, Phenixton, O.; secretary, George C. Seager, Rochester, N. Y. Meets annually in June.

**American Retail Nurserymen's Protective Association**—President, Charles J. Brown, Rochester, N. Y.; secretary, Guy A. Bryant, Princeton, Ill. Meets annually in June.

**Eastern Association of Nurserymen**—President, W. C. Barry, Rochester, N. Y.; secretary-treasurer, William Pitkin, Rochester, N. Y. Meets annually in January.

**Western Wholesale Nurserymen's Association**—President, Peter Youngers, Geneva, Neb.; secretary, E. J. Holman, Leavenworth, Kan. Meets in July and December at Kansas City, Mo.

**Southern Nurserymen's Association**—President, Orlando Harrison, Berlin, Md.; vice-president, John A. Young, Greensboro, N. C.; Sec., Chas. T. Smith, Concord, Ga.

**Southwest Nurserymen's Association**—President, J. W. Preston, Kingfisher, Okl. Terr.; secretary, J. A. Taylor, Wynnewood, Ind. Terr.

**Texas Nurserymen's Association**—President, E. M. Kirkpatrick, McKinney, Tex.; secretary, John S. Kerr, Sherman, Tex.

**Pacific Coast Association of Nurserymen**—President, A. Eckert, Detroit, Wash.; secretary-treasurer, C. A. Tonneson, Tacoma, Wash. Meets annually in June.

**Pennsylvania Nurserymen's Association**—President, W. H. Moon, Morrisville, Pa.; secretary, Earl Peters, Mt. Holly Springs, Pa. Next annual meeting at Harrisburg, in January.

**National Association of Retail Nurserymen**—President, William Pitkin, Rochester, N. Y.; secretary, John B. Kilev, Rochester, N. Y.

**Canadian Association of Nurserymen**—President, E. D. Smith, Winona; Secretary, C. C. R. Morden, Niagara Falls.

**West Virginia Nurserymen's Association**—President, W. A. Gold, Mason City; secretary, R. K. Harris, Harbottle.

### PROGRESS OF THE MONTH

Elsewhere in this issue of AMERICAN FRUITS is recorded the successful result last month of long negotiations on the part of nurserymen to procure reduced freight rates.

November found progress in the railroad rate discussion at Washington. It is probable that some of the leading railroad managers of the United States will cordially approve a moderate bill designed to accomplish the general purpose of President Roosevelt which is to secure a fair adjustment of the rates. President Mellen, of the New York, New Haven and Hartford railroad company, has already declared his intention to support President Roosevelt in the matter. It is believed that President Cassatt, of the Pennsylvania system is of the same mind.

It is probable that the present law is sufficient to correct all abuses, if an active interstate commerce commission would demand its enforcement.

The period of horticultural councils is at hand. Much valuable information should be obtained by nurserymen and fruit growers from these annual gatherings.

Last month's final estimate of the apple crop places the total in the United States at 23,500,000 barrels, compared with 45,460,000 barrels last year and 42,620,000 barrels in 1903, and 46,625,000 barrels in 1902. The 1901 crop was about 27,000,000 barrels and the 1896 crop about 70,000,000 barrels.

### FOR NURSERYMEN'S BENEFIT.

Standing out prominently in the accomplishments of last month in the great Nursery Trade is the success that has attended the long and persistent efforts of the transportation committee of the Eastern Nurserymen's Association, in securing an agreement by the Trunk Line Classification Committee to grant a reduction of fifteen per cent. from existing rates on trees shipped in less than car load lots throughout the territory east of the Mississippi river and north of the Potomac, on and after January 1st next.

That this is the most important achievement in the interest of the Nursery Trade in the last two decades will be appreciated when it is realized that every retail nurseryman is directly affected to his advantage, in that there will be a reduction of fifteen per cent on every freight bill for nursery stock shipped in less than carload lots—and that is the way most of the retail stock is shipped. One firm in Rochester estimates that the new ruling will effect a saving of \$2,000 per year for that concern alone.

While the credit for this work will accrue to the transportation committee of the Eastern Nurserymen's Association, it should be known that the individual who has labored most persistently and effectively for the desired result is Irving Rouse, of Rochester, N. Y., a member of the Association's committee. He made four trips to New York City in the interest of the movement and he has been in correspondence with the principals who acted for the railroads. The committee made two trips to New York City. The other members of the committee, besides Mr. Rouse, are William C. Barry, William Pitkin, Charles J. Brown, of Rochester, N. Y., and O. G. Chase, of Geneva, N. Y.

President Albertson, of the American Association of Nurserymen, realizing the

great gain to be accomplished if the agreement could be secured, did all in his power to further the efforts of the eastern committee, but he realized that the influence of the committee would be most effective. It was his enthusiasm and his constant encouragement that urged the committee to exhaust every effort to accomplish the result.

Chairman W. C. Reed, of the American Association of Nurserymen, reports another concession on the part of one of the classification committees in favor of the nurserymen. This time it is the Southwestern Tariff committee that has consented to a change in the minimum classification. Mr. Reed states that early this month he will appear before the Southern Classification committee in Louisville, to ask for a similar concession. These concessions will enable nurserymen to ship a smaller quantity at carload rates.

Both President Albertson and Chairman C. L. Watrous of the committee on legislation of the American Association, attended the meeting in Washington on November 14th, of the entomologists where it was recommended that uniform legislation for all the states in the matter of inspection and quarantine of nursery stock be urged. No result was reached. Indeed it was still more apparent that the opinion expressed long ago by Irving Rouse, of Rochester, that uniform federal legislation is impracticable, is the sound conclusion. Mr. Rouse was first to discover through high legal authorities that the constitution stands in the way of federal legislation. Mr. Watrous has now come to this conclusion and the more others look into the matter the more apparent does it appear to be that this is a fact. So far as uniform state legislation is concerned, it must be borne in mind that each state entomologist is influenced by the powers back of him to effect such legislation as is wanted by certain persons not nurserymen. The only feasible way, therefore, to handle this nursery quarantine matter is to handle it through the authorities of each state, and it behooves every nurseryman to see to it that a fair law is enacted in each state. By diligent application, for instance, W. F. Heikes succeeded in procuring desirable legislation for the State of Alabama. Others could do the same for their states. Here is a suggestion for the state vice-presidents of the American Association.

### DONATIONS FOR EXPENSES.

In response to a request by President Albertson, leading members of the American Association of Nurserymen, who are largely benefited by the work of committees have subscribed nearly \$1,000 to meet expenses of those committees in procuring concessions from railroad companies in the transportation of nursery stock and in legislative work.

### FOUR CENTS PER MONTH

This is too little to stand in the way of your receiving the benefits that your competitors are receiving. If you are not a subscriber to AMERICAN FRUITS will you enclose 50 cents in stamps now, and receive this International Nursery Trade Journal regularly throughout 1906, which is to be the best year in the history of the Nursery and Fruit trade.

When writing to advertisers, please mention AMERICAN FRUITS.



## GREAT GAIN FOR NURSERYMEN.

**Trunk Line Classification Agrees to Grant Reduction of Fifteen Per Cent. From Existing Rates on Trees in Boxes in Less Than Car Lots Throughout the Territory East of the Mississippi and North of the Potomac—This Ruling Affects Freight Bills of Every Retail Nurseryman in Territory Named—Most Important Result Achieved in Behalf of Nursery men in the Last Twenty Years—Where the Credit Belongs—Persistent Work.**

After a year or more of persistent effort the transportation committee of the Eastern Nurserymen's Association has accomplished a result which stands out as the most important in the history of negotiations during the last twenty years by nurserymen for the purpose of correcting conditions affecting the entire trade.

The members of this committee and particularly Irving Rouse of Rochester, N. Y., are entitled to great credit for the result which is far in advance of anything of the kind that has been attempted.

It is no less an accomplishment than an agreement on the part of the Trunk Line Classification Committee, whose jurisdiction extends throughout the United States from the Mississippi river eastward and from the Potomac northward, to grant a reduction, on and after January 1st, of fifteen per cent from the existing rates on trees in boxes in less than carload lots.

The committee which has voted the change must submit the agreement to the railroads interested for their approval and considerable red tape must be unwound; but it is an assured fact that the change will be made and it will appear in the new book of rates as soon as published.

What this means to the nursery trade can be appreciated when it is realized that it will effect a saving of fifteen per cent upon every freight bill for nursery stock shipped in less than carload lots. Retail nursery trade throughout the great section of the country covered by the ruling will be affected. One of the large nursery concerns of Rochester estimates that it will cause a saving of at least \$2,000 per year in that firm's shipments. Others have estimated equally large savings.

While the whole sale trade will not be

affected so largely, inasmuch as customers of the wholesalers pay the freight in car lots, still it should be borne in mind that eventually almost all the nursery stock shipped in any way in this great territory will be affected, for after the wholesaler has passed on the stock it is to be reshipped by the retailer in less than carload lots.

The extent to which this will aid nurserymen directly and financially can only be estimated; for the advantages that will result from the work of the transportation committee of the Eastern Nurserymen's Association will be felt with in-



IRVING ROUSE.

creasing force as the nursery business expands. It is a red letter day for the nurserymen of the Central and Eastern states.

### PROSPEROUS IN IOWA.

Editor AMERICAN FRUITS:

The indications are that Iowa will enjoy a very prosperous year. Crops in general were very fine and we are looking forward to a good season's business. At the present time we are busy filling our cellars with a line of the best stock we have ever taken up.

N. C. WRAGG.

Wauke, Iowa, Nov. 23, 1905.

### NEW YORK APPLE MARKET.

McIntosh, per dbl head bbl., \$3.50@5; King, do, \$2.50@5; Spitzenberg, do, \$2.50@5; Northern Spy, do, \$2.50@4.50; Hubbardston, do, \$2.50@3.50; Baldwin, do, \$2.50@3.50; Greening, fancy, do, \$3.75@4.50; average per bbl., \$2@3.50; Ben Davis, do, \$2.50@3.50; Bellflower, per bbl. \$2.50@4; Snow, do, \$2.50@5; Twenty Ounce, per dbl.-hd. bbl., \$2.50@4; York Imperial, per bbl., \$2.50@3.50; Maiden Blush, per d-h. bbl., \$2.50@3.50; York Pippin, do, \$2@3.50; Fall Pippin, do, \$2@3.50; Holland Pippin, do, \$2@3.50; Pound Sweet, do, \$2@3; Talman Sweet, do, \$2.00@3; all varieties, common, per barrel, \$1.00@2; open head barrels, hand-picked, \$1@2.50; stock in bulk, per bbl., \$1.50@2; Johnathan, Colo., per bush. box, \$2.25

@2.75; Ben Davis, Colo., do, \$1.95@2.15; Rome Beauties, do, do, \$2.50@3; Arkansas Black, do, do, \$2.75@3; Spitzenberg, Washington, per bush. box, \$2.50@4; Newtown Pippin, do, do, \$3@4; Spitzenberg, Oregon, per bush. box, \$2.50@4; Newtown Pippin, do, do, \$2.50@4; Jonathan, Idaho, per bush. box, \$2.50@3; crab apples, per bbl., \$3@6.

### FRUIT GROWERS WAKING UP

That the fruit growers are waking up to the importance of action to control common carriers in the regulation of tariffs is shown by fact that at the annual meeting of the truck growers association of Oxford, Fla., it was recommended that the members discontinue planting watermelons until freight rates are readjusted and materially lowered. From 62 cars of melons the net return was \$3,492.83, while the market value of the shipments was \$13,041.29. The freight amounted to \$8,291.72, and commissions to \$1,266.55. The railroads received \$2.35 to each dollar returned to the growers.

One of the most effective remedies for San Jose Scale is Kil-o-Scale, referred to in another column.

C. L. Watrous, Des Moines, Ia., is president of the Iowa State Agricultural and Industrial League, which has the affiliated membership of nine agricultural and horticultural societies of Iowa. He is also chairman of the Executive Committee.

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# AMERICAN FRUIT ABROAD

## AMERICAN FRUITS IN BRITAIN.

**Dependence of England on Foreign and Colonial Supplies Demonstrated by This Year's Importations—Some American Shipments Have Been of Rough Character—Choice Varieties Much Sought After—California Pears Holding the English Trade in Absence of Native Fruit—Prices of Nova Scotians in England—Canadian Shipments Lighter This Season.**

[SPECIAL COVENT GARDEN CORRESPONDENCE.]

AMERICAN FRUITS Bureau, Hatton House, Great Queen St., London, England.

The dependence of Great Britain on foreign and Colonial supplies of fruit to make up for the uncertainties of the home crops, was demonstrated at a conference of growers recently held in London. The year's importations were given as follows: Apples, £2,118,000; cherries, £319,000; currants, £143,000; grapes, £827,000; pears, £503,000; plums, £526,000; miscellaneous, including strawberries, peaches, apricots, etc., £152,000; bananas, £1,382,000; oranges, £2,193,000. Other items bring the total up to £10,237,000. Another matter of interest to those anxious to cater to the British trade was the lists of most popular varieties submitted. Eight of the best dessert apples were stated to be: Beauty of Bath, Blenheim Orange, Claygate Pearmain, Coe's Orange Pippin, Duchess of Gloucester, Mannington Pearmain and King of the Pippins. The twelve cooking apples recommended were: Bismarck, Golden Noble, Newtown, Wonder, Lana's Prince Albert, Sterling Castle, Lord Grosvenor, Ecklinville Seedling, Lord Derby, Pott's Seedling, Jubilee, Warner's King, Bramley's Seedling.

### CHANCES FOR AMERICANS.

The pears selected were Doyenne Bouscho, Doyenne du Comice, Duchess d'Angoulem, Pitmaston Duchess, Marie Louise d'Uccle, Durondeau, Williams' Bon Christain, Benare's Hardy, Benare's Superfine, and Fertility. The list of plums given were: Coe's Emperor, Green Gage, Jefferson, Victoria, Monarch, Czar, Early Prolific and Denniston's superb.

As already foreshadowed in my previous letter, there is a shortage of first quality apples and pears, and this has given the American and Canadian fruit an almost unfettered market. At the beginning of November the supply of good English apples was found to be getting short, and consequently the imported fruit has been realizing satisfactory prices. Nova Scotia is again to the fore in sending over some excellent samples of apples, for which there is a good demand with fair prices. The Blenheims have been a meritorious character, and fully maintain the high reputation the colony has attained for successful orchard culture. The Blenheims have made from 18s. to 23s. a barrel. Greenings are also in favor from the same source, realizing from 20s. to 25s. a barrel. The other chief lines in Nova Scotians are Gravenstein's, 11s. to 22s a barrel, and Ribston's, 18s. to 24s. Canadian Blenheims have been making from 16s. to 20s.; Calverts 14s. 6d. to 15s. 6d., and Kings 23s. to 28s. a barrel. The Canadian shipments are lighter this season.

### SHIPMENTS OF ROUGH CHARACTER.

Some of the American shipments have

been of a somewhat rough character, and have had to be sacrificed at low values. It is a mistaken policy to send over fourth-rate stuff, for it gives the salesmen a lot of trouble to get rid of, whilst the purchasers obtain a wrong impression of the quality of American fruit. There is no doubt that good quality fruit will meet with a steady demand all through this season, but inferior stuff is not wanted—there is too much of that already from home sources. Californian Newtown Pippins are in fine condition, and are very much sought after. The four-tier cases have made from 10s. 6d. to 16s. and the five-tier cases from 10s. 6d. to 13s. each. Many of the choicer sorts are in small supply at present.

There are but few English pears on the market, and as the French supply has been limited the chief trade is done with the California consignments. The Benare Hardy and Doyenne du Comice have made excellent prices, the former averaging from 8s. to 9s. and the latter from 18s. to 20s. a case. American Kieffer's are in smaller supplies. These have supplied the cheaper trade, half boxes selling at from 1s. 3d. to 1s. 6d. and boxes 2s. to 2s. 6d. American Duchess have made from 4s. to 4s. 6d. the 14 pound case.

The end of the plum season is being reached. Good samples of California plums (Coe's Red) have realized advanced prices for sound samples.

### FRUIT AT FLORAL HALL.

The arrivals of fruit sold at Floral Hall on November 1st were as follows: 3,300 barrels Nova Scotia apples; 1,360 barrels Nova Scotian and American apples; 3,000 cases Kieffer pears; 2,500 State pears; 2,500 boxes California pears (black brand); 1,200 boxes California Newtown apples; 360 boxes Jamaica oranges, etc.

The banana trade shows some unsettlement and the uncertainty of climate causes the holders of supplies some uncertainty. When the weather sets in cold there is a decrease in the demand. Then when a warm spell is experienced the fruit rapidly ripens off in the store. There is a big business done with bananas, and this is an increasing trade. The quantity imported into this country for one week recently was 155,844 bunches, as compared with 90,584 bunches in the corresponding week in 1904. The public are more than ever appreciating the value of the banana as an article of food. Although great efforts have been made to foster the banana industry in Jamaica, backed up by a government subsidy, the public show a preference for the Canary imports, the fruit being smaller and of a better flavor. The fruit is frequently vended at twelve for six pence by the street sellers.

W. H. A.

November 15, 1905.

## THE GERMAN MARKET.

**Preference for York State Apples as Against New England Stock—Heavy Exporters Cite Facts and Advance Explanations—But Demand for Apples in England is Greater Than in Germany.**

George A. Cochrane, well known as an exporter of apples from Boston, writes to American Agriculturist: "Germans are adverse to landing much New England fruit, as they fear the grub which is often a defect in fruit from old trees here, might affect German orchards. Still we hear complimentary remarks for some fine apples shipped from New Hampshire. Most of the very old apple trees in New England should be destroyed, as a great deal of the fruit therefrom, especially in seasons of a heavy crop, is not worth gathering. New York state Greenings often show up much better than New England varieties, having a nice clean skin, whereas our Greenings are often spotted and uninviting. Of course this is only skin deep, but it affects their sale in German markets."

W. N. White, heavy exporter from New York City, says: "Apples from New England do not make the price of those from York state for many reasons. The Massachusetts and Connecticut stock lacks color and size and is not as well graded as New York fruit. In the latter state the apples are made No. 1 and No. 2, whereas in Connecticut and Massachusetts fruit is put up in commercial samples, that is No. 1's and No. 2's packed together."

A dealer writing to the same publication, says: "England is a much larger consumer of American apples than Germany, but it must be remembered that in a good year for apples Germany grows at least five times as much as England; in addition there are large apple countries elsewhere on the continent, Bohemia, Hungary, Italy, Switzerland, etc., from where we get enormous quantities in good years. But this year, with the exception of Switzerland, all these countries had next to nothing."

It is stated that when the German markets are higher than England, a great many barrels of American and Canadian apples are reshipped from England, especially from Liverpool.

### APPLE ORCHARD EXPERIMENTS.

In the orchard of William Auchter at South Greece, N. Y., the Geneva Experiment Station workers are experimenting on ten acres of Baldwin apple trees, 28 years old. The experiment consists of keeping one-half the orchard to sod and the other half under cultivation for a period of ten years and noting the result.

It has been claimed that, by budding a Spy apple tree with Baldwin buds, it can be made to bear fruit from five to seven years earlier than a Baldwin tree uninterfered with. To test the truth of this, Baldwin trees and Spy trees have been set out alternately and the Spy trees budded with Baldwin material.

A committee has been appointed by the Texas State Horticultural Society to name fruits found in that state where owners do not know the names. J. H. Connell, Dallas, Texas, is secretary of the committee.



## ORNAMENTAL CULTURE

### ORNAMENTAL PLANTING.

**Strongly Recommended by Edwin H. Riehl—  
Shade Trees, Shrubs and Roses Add Much  
to the Beauty and Value of a Farm—  
At Moderate Cost Valuations  
May be Enhanced and Con-  
tentment Assured.**

Too many farmers would rather have their path from the kitchen or front door of the house and the barn between two rows of corn than to see a nice blue grass lawn, nice shade trees, shrubs, roses and other beautiful flowers nicely arranged about the house, says Edwin H. Riehl, in Colman's Rural World. They think it is for the good of their families that they utilize every foot of ground possible for the production of corn and other grain, but surely they are therein mistaken. It is no wonder that the young folks on such farms get tired of the rural monotony and are off to the city. The ornamentation of country homes is nearly if not quite as important as is the production of the best fruits and vegetables.

There is not one young man leaves a fruit farm with beautiful surroundings to where there are ten leave the average grain farm where fruits and ornamentation are overlooked. I know there are more grain farms than there are fruit farms, but when I make the above statement I am speaking comparatively. Is it, then, not worth our while to give a little more attention to these important things? That persistent struggle for the almighty dollar is supposed to be for the good of your family, but I am sure you will succeed much better in the contentment and health of your family by changing your plans in the manner indicated above.

Now is a good time to plant most of the flowering hardy shrubs, such as althea, hydrangea, P. G. Deutzia; Spirea, snowball, philadelphus, wegelia, lilacs, etc. Paeonies and lilacs should, if possible, be planted in the fall, because of their nature to start growth so easily in spring. Roses, even though hardy, are best planted in spring. A few clumps of sweet-scented violets planted along some sunny slope will give a good deal of satisfaction during the winter. They will bloom freely during warm spells in the winter and it takes only a few of the dainty blossoms to make a room fragrant. If plants are sheltered with glass the results will, of course, be better.

This fact of varying length of cars has been recognized by the railway companies and they have now made a minimum of 24,190 pounds or 338 boxes of oranges for the 36 foot cars, and one of 27,600 pounds or 384 boxes for the 40-foot cars.

Wood & Son, of Carlton, N. Y., had a government contract for two loads of Roxbury russets wrapped in paper for the Paris and Japan markets. This fruit is for exclusive government experimental work. Messrs. Wood & Son stand high in New York state as prominent fruit growers.

Prof. W. M. Munson, Horticulturist of Maine agricultural experiment station at Orono, is making a collection of the native Maine apples that seem to be worthy of propagating. He will welcome any specimens that may be sent to him for examination, and if of sufficient merit the fruit will be photographed and described in a forthcoming bulletin of the station.

### ORNAMENTAL NURSERY STOCK.

One of the handsomest catalogues that has come to our desk this fall is that of the M. J. Wragg Nursery Company, Des Moines, Ia. It is beautifully printed and illustrated. The contents are evenly divided between descriptions of fruit and ornamental stock. This company makes a specialty of landscape gardening. By illustration and apt description the company, through its catalogue, argues effectively for the planting of choice ornamental trees and shrubs. Evergreens, deciduous trees, hedge plants, hardy herbaceous flowering plants, summer-flowering bulbs and roots and roses are shown attractively. M. J. Wragg is director of an experiment station on the nursery grounds.

### BURBANK'S ACCOMPLISHMENTS.

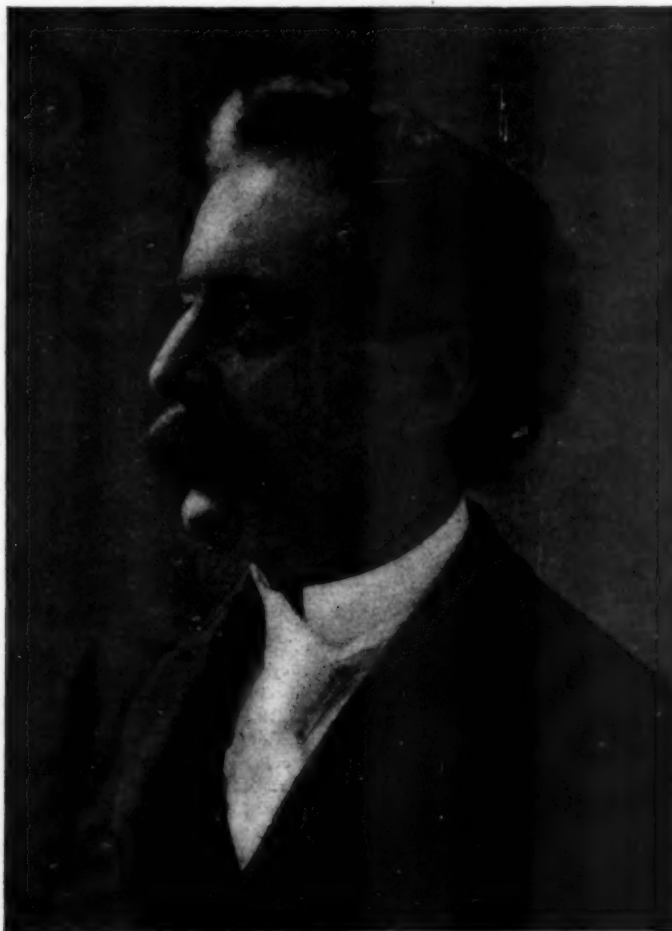
After reviewing the exaggerated estimates of the work of Luther Burbank, the Country Gentleman summarizes what the facts seem to be, as follows:

Mr. Burbank is evidently a close student of nature. Within the range of his work his observations are accurate and methodical. On this account they may be called scientific, if one cherishes a fondness for that adjective.

He is an adept at the ordinary arts of plant breeding. There is nothing to show that he knows or practices any magic not perfectly known to hundreds of other plant breeders.

He has been immensely assisted in his work by a remarkably favorable climate.

He has produced some varieties of substantial



LUTHER BURBANK.

A crusade against the San Jose scale is in progress in Pennsylvania.

John J. Lowry has sold his fruit farm two miles north of Sedalia, Mo., on the Georgetown road, to T. L. Abshear. The farm contains 53 acres, and is fully set in fruit of all kinds. The consideration was \$4,500.

Senor Carlos D. Girola, a native of the Argentine Republic, was a visitor in Martinsburg for a few hours on Monday, having gone there from Washington to inspect the famous Miller orchard in the Applepie Ridge section. He has been in this country for some time as a representative of his government, inspecting horticultural and agricultural conditions here, and he will make a report when he returns to South America.

value, and others of considerable promise; but all these productions taken together are less than one to a hundred compared with the productions of other plant breeders.

Mr. Burbank is evidently an amiable, earnest, industrious, unassuming, honest, straightforward man, and one can regret only that he should have fallen into the hands of such ruthless exploiters.

A series of booklets, issued by the Fruit Grower Company, St. Joseph, Mo., includes "Packing and Marketing of Fruit," by F. A. Waugh; "The Home Garden," by W. L. Howard; "How to Grow Strawberries," by J. C. Whitten; "A Treatise on Spraying," by J. M. Steadman; "Propagating Trees and Plants," by W. L. Howard.



## HORTICULTURAL UNIONS

### ON APPLE PIE RIDGE.

W. Virginia State Horticultural Society Meets Among Famous Orchards—Witnesses Spraying Demonstration Commercial Apple and Orchard Problems Discussed—Alexander Clohan Re-elected President—Fred. E. Brooks, Secretary.

FRED. E. BROOKS, W. VA.

The West Virginia State Horticultural Society held its thirteenth annual meeting on November 15-17. The meeting was held at Martinsburg, Berkeley county, within a few miles of the famous orchards of Apple Pie Ridge. In points of interest and attendance this meeting far surpassed any similar meeting ever held in the state. Two days were spent in lively discussions of many interesting subjects and on the third day the society drove in a body through the large orchards. The extent of plantings is enormous, the Miller Bros. alone having 400,000 peach trees and 2400 acres in apples. They have one orchard of 35 acres, which in the last ten years, has yielded 28,000 barrels of apples which sold for \$83,924. The first stop was made at the experimental farm of the American Horticultural Distributing company. Here an exhibition of spraying machinery was given and Dr. John B. Smith of New Jersey delivered his orchard lecture on "Modern Ideas in Spraying."

"Commercial Apples" was the subject of a discussion by C. P. Rothwell, of East Liverpool, Ohio; Capt. W. C. Mahan, of Arroyo; B. F. Hann, of Fort Spring; G. C. Starcher, of Berlin; R. L. Hutchinson, of Point Pleasant, and J. T. Catrow, of Martinsburg. "Some Problems of Orchardists" was discussed by S. W. Moore, of Elwell; "The Care of Bearing Orchards," by Dr. D. W. Border, of Kearneysville, and "Horticultural Development in the South," by Prof. G. L. Stewart, formerly of the Maryland Experiment Station, and now assistant industrial agent of the Southern Railroad at Columbia, S. C.

The following officers were re-elected: Alexander Clohan, Martinsburg, president; S. W. Moore, Elwell, vice-president, and Fred E. Brooks, Morgantown, secretary.

### KENTUCKY NURSERIES.

State Entomologist H. Garman's latest report shows that in Kentucky there are 39 nurseries. Mr. Garman says:

"My attention has been repeatedly called to the fact that there is a lack of uniformity in the practice of Kentucky nurserymen in the matter of attaching certificates to their packages of stock. A mistake commonly made is that of sending packages into other states with only the nurseryman's personal certificate on the shipping tags. It must be remembered that most of the states require a certificate from a state inspector, and that shipments without such certificates are liable to be held at express or freight offices until inquiry is made of the official inspector from whose territory the packages came. Delays of this sort may result in loss to the shipper and can easily be avoided by having the inspector's certificate printed on the shipping tags. These same tags are made to comply with the Kentucky law by adding beneath the

other a certificate signed in ink by the nurseryman stating that the contents of the package have been inspected.

"Again, packages of stock shipped by Kentucky nurserymen have been encountered in this state with only the inspector's certificate attached. While such packages would pass in other states, they are not sufficient to free the Kentucky shipper from danger of arrest and fine."

### LIQUID AIR FOR ORANGES.

W. G. Nevin of Riverside, Cal., recently returned from Chicago, where he entered into a contract with the Armour Fruit and Refrigerating Car company to refrigerate 50,000 cars with liquid air, at a cost said by the company to be between \$15 and \$20 a car, but which by others informed is placed at \$13 per car.

The refrigerating charges at present to orange shippers run from \$60 to \$70 per car. The difference on the coming season's orange crop of 37,000 cars, it readily can be seen, amounts to a very comfortable figure.

### HORTICULTURAL MEETINGS.

Michigan, Grand Rapids	Dec. 5, 7
Minnesota, Minneapolis	Dec. 5, 8
Maryland, Baltimore	Dec. 6, 7
Indiana, Indianapolis	Dec. 6, 7
Nut Growers, Dallas, Tex.	Dec. 7, 9
Northern Illinois, Harvard	Dec. 7, 8
American Wine Growers, New York	Dec. 12
Illinois, Champaign	Dec. 12, 15
Vermont, Burlington	Dec. 13, 14
Missouri Valley, Kansas City	Dec. 16
Western Nurserymen, Kansas City	Dec. 19, 20
Kansas, Topeka	Dec. 26, 28
Missouri, Kansas City	Dec. 28, 30
New York Fruit Growers, Lockport	Jan. 3, 4
New Jersey, Trenton	Jan. 4, 5
Washington, North Yakima	Jan. 9, 12
Oregon, Portland	Jan. 16, 17
Cranberry Growers, Philadelphia	Jan. 16
Pennsylvania Association, Gettysburg	Jan. 16, 17
Peninsula, Chestertown, Md.	Jan. 16, 18
Rhode Island, Providence	Jan. 17
American Carnation, Boston	Jan. 24, 25
Western New York, Rochester	Jan. 24, 25
Eastern Nurserymen, Rochester	Jan. 24
Wisconsin Madison	Feb. 6, 8
Mississippi Valley Apple, Quincy, Ill.	Mar. 22

### MAINE POMOLOGICAL.

Fruit Growers in Annual Session Discuss Legislation to Insure Uniform Grading of Fruit for Market—Dr. Geo. M. Twitchell, of Augusta, Will Arrange Conference of Fruit Growers' Associations.

The most important and far-reaching action by the Maine Pomological Society at Canton, last month was that in reference to legislation to insure the uniform grading of fruit put upon the market.

Maine has taken the initiative in this as in other reforms and last year Dr. George M. Twitchell of Augusta, Me., was instructed to investigate the subject and report at this meeting. The result of his full setting forth of the subject and the effect of the Fruit Marks Act in Canada led to the appointment of a committee to correspond with the officers of all the Fruit Growers Associations of the country and arrange a conference looking to united action in behalf of national legislation providing for the grading, marking and inspecting of all fruit shipped. With Maine apples selling in Liverpool two to four shillings below those coming from Canada and properly branded the force of the lesson is apparent. There is more in this than in any step this society has ever attempted.

Dr. Twitchell was, upon motion of Secretary Knowlton, appointed and empowered to act for the society in this important matter. This appointment of Dr. Twitchell means much to the fruit growers of Maine. It means that a thorough investigation will be made and some important action taken. The result of this action will be watched with keen interest.

The officers elected were: President, Z. A. Gilbert, North Greene; vice-presidents, D. T. Shrew, Leeds Center and Edward L. White, Bowdoinham; Secretary, D. H. Knowlton, Farmington.

The Western Fruit Jobbers' association will meet in Des Moines, Dec. 27-29.

O. M. Stonebraker of Brownville, has sold the Forest Hill fruit farm, at the southeast edge of Brownville, Neb., to E. S. Bailey of Fullerton, for \$31,000, or \$130 per acre. The fruit farm was laid out a few years ago by the late ex-Governor R. W. Furnas and is one of the best fruit farms in Nebraska.

## Late Fall and Winter Specialties

APPLE SEEDLINGS—Nebraska and Kansas grown.  
 APPLE GRAFTS—Piece and Whole Root.  
 FRUIT TREE STOCKS—Imported—French Pear, Mahaleb, Mazzard, Myroholan Quince.  
 FRUIT TREE STOCKS—American Grown—French, Japan and Kieffer Pear. Americana Plum Stocks.  
 FOREST TREE SEEDLINGS—Complete stock.

Write for Winter Wholesale Trade List.

## THE SHENANDOAH NURSERIES

ESTABLISHED 1870

D. S. LAKE, Prop. SHENANDOAH, IOWA

## FROM VARIOUS POINTS

### HORTICULTURAL INSPECTORS.

The annual convention of the Association of Official Horticulture Inspectors was held at the Shoreham hotel, Washington, D. C., on November 14th. Nearly all of the states of the Union were represented in the convention. S. A. Forbes, state entomologist of Illinois is president, and Prof. J. B. S. Norton, of the Maryland Agricultural College, is secretary of the association. Much of the business transacted was of a routine nature.

S. M. Reed, of Minnesota, presented a resolution recommending that the national government should provide for the teaching of forestry in the agricultural colleges. Reports of committees on food adulteration, fertilizers, and food stuffs, plant and animal breeding, and methods of seed testing will be printed by the association. Most of the session was confined to a discussion of fumigation of nursery products and routine business matters.

A committee from the American Association of Nurserymen composed of President Albertson and C. L. Watrous conferred with the members on ways in which the two associations can co-operate.

Regarding this matter, Mr. Watrous writes to AMERICAN FRUITS:

"The committee was received by the entomologists in a spirit of the utmost fairness and with evidence of kindly feeling. I think that they were willing to do for us all that they could consistently do.

They passed a resolution placing themselves squarely against the system of license to nurserymen, which was the first thing we asked. We asked them to condemn the practice of some states in requiring nurserymen from other states to send and buy of them certain shipping tags before the company was permitted to do business safely. Most of them seemed to agree with the nurserymen that such a restriction is unnecessarily vexatious but it appears that in some states it was not possible to comply with laws and regulations without going through this formality, therefore, they passed a resolution appointing three of their number as a general committee to have charge of the matters of tags.

"They also formulated rules whereby the standing of any nursery desiring to do business in any of the states requiring special tags may be examined by the committee, whereupon, if found satisfactory, the committee will issue to the firm a tag which will be good in any of the states.

"This serves to simplify matters very much and seems to be the very best that can be secured at present. The matter of

changing state enactments or practices after they have become established is a difficult and necessarily slow process. The committee feels that it has made a good start."

### NATIONAL NUT GROWERS.

E. W. Kirkpatrick, McKinney, Texas; Sam H. Dixon, Houston; F. W. Mally, Garrison, and Stanley H. Watson, Houston, are members of the committee on arrangements for the fourth annual convention of the National Nut Growers' Association, to be held at Dallas, Tex., December 7-9.

On the program are the following subjects and speakers:

"Nut Groves of the Pacific Coast," Prof. H. E. Van Deman; "Combating Insect Enemies of the Pecan," Dr. F. H. Chittenden, Washington, D. C.;

"Best Methods of Growing Pecans Commercially," H. M. Stringfellow, Lampasas, Tex., H. A. Halbert, Coleman, Tex., C. Falkner, Waco, Tex.;

"Some Ways for Advancing the Nut Growing Industry," Prof. H. Harold Hume, Raleigh, N. C.;

"Pecans for Investments by Professional People," Dr. R. O. Graham, Bloomington, Ill.;

"The Farmer as a Nut Grower," Prof. F. H. Burnette, Baton Rouge, La.;

"Foreign Commercial Nuts," Dr. S. A. Knap, Special Agent United States Department of Agriculture;

"Propagating the Pecan," E. E. Risien, San Saba, Tex.;

"Nuts as Food," R. C. Koerber, New York; "Texas the Home of the Pecan," A. P. Atwater, Houston, Texas.

### CALIFORNIA FRUIT OUTPUT.

The California promotion Committee announces that shipments in a fresh state, carload lots this year approximate 8000 cars, of which 6376 cars have gone forward to date, leaving about 1750 cars of apples, grapes and pears to be shipped. This total is the largest ever recorded and exceeds last year's shipments by over 2000 cars. Prices this year have probably exceeded those of any other season. Fruit growers will receive more than \$5 750,000 for this output exclusive of canned or dried fruits. About 250 cars were also shipped by express in small lots.

California will this year contribute between 70 and 75 per cent of all the wine legitimately produced from grapes in the United States. The cost value of this vintage will be about \$7,500,000, calculating the grapes at a paying price to vineyardists, cooperage not included. The selling value will be approximately \$10,000,000, including cooperage. More than 20,000,000 gallons of wine and brandy will be shipped from California this year.

### POSSIBILITIES OF MEXICO.

Consul General Parsons, in one of his daily consular reports, says: "A leading American grocer in Mexico City informed me that outside the City of Mexico there is practically no American fruit used in the country."

In discussing the fruit of Mexico and its possibilities, as well as its actualities, a man who is well acquainted with the country and who is making a study of such things declares that there is no country in the world able to compete with the republic of Mexico in the matter of fruits, where proper cultivation obtains. A few years ago no attention was paid to scientific horticulture. Today there is but little attention given it if one is to compare eventualities with possibilities. But the fact remains that there are a few colonies conducting fruit growing along scientific lines. The Mormon colony in Chihuahua is one of them. Its success is wonderful.

### KIL-SCALE

#### Great San Jose Scale Destroyer

Prof. John B. Smith, Entomologist N. J. Experiment Station, referring to KIL-SCALE

"An orchard of about 300 trees was so completely cleared, that it is almost impossible to find a live scale at this time."

Prof. Taft, Michigan Experiment Station. KIL-SCALE practically destroyed all of the old scale."

Prof. Johnson, late Entomologist of Maryland now Editor American Agriculturist, N. Y.

KIL-SCALE was quite effective and trees practically clean"

Dilute proper proportions with cold water, and spray. Price in bulk—Barrels and half barrels. \$1.00; one gallon cans, \$1.50; five gallon cans, \$6.25; ten gallon cans, \$10.50.

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### SPRAYING BY ELECTRICITY

Would be fine, if you had the electricity, but as that is not at your command, the next best power for the farmer is the Gasoline Engine, not only for driving your Spray Pump, but for your Corn Sheller, Cutting Box, Cream Separator, Churn, Grind stone, Feed Grinder, as well as the 19 other uses for a small, light, power on the farm.

We have the Smallest, Lightest, Strongest, and Best Gasoline Engine on the market, either Water or Air Cooled. Cylinders are interchangeable.

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### 4,000,000 Peach Trees

Tennessee Wholesale Nurseries

June Buds a Specialty No agents traveled but sell direct at wholesale prices. Absolutely free from disease and true to name. Write for catalogue and prices before placing your order elsewhere. We guarantee our stock to be true to name. Largest Peach Nursery in the world. Address,

J. C. HALE, Winchester, Tenn.

If your orchard is infected with the

### San Jose Scale

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Results Guaranteed

Write for Book of Testimonials and read what the largest and best fruit growers in the U. S. say about it. The advantages of fall spraying are numerous; let us tell you what they are.

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MARTINSBURG, W. VA., U. S. A.

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## APPLE CROP, 23,500,000.

The commercial crop is the smallest in a number of years, says American Agriculturist. As is known to our readers through testimony of correspondents, and printed records of sales, the shortage is most in evidence in the big surplus states, New York, parts of New England, Michigan and a number of sections in the southwest. Buyers from the last named territory have been operating in the eastern states, and a very much larger proportion of the merchantable crop has left first hands than was the case a year ago, when the yield was heavy and prices low. Scrutinizing latest returns from leading growers, specialists and interior dealers, and comparing these with state reports, American Agriculturist now estimates the apple crop of the United States for 1905 at 23,500,000 barrels, compared with 45,460,000 barrels one year ago, 42,620,000 barrels in 1903 and 46,625,000 in 1902. The crop may be compared with the small yield of 1901 of approximately 27,000,000 barrels. The largest crop on record was in 1896, when it approached 70,000,000 barrels, and apples a drug on the market for many months.

The great producing sections of the middle and central states, including New York and Michigan, is somewhat less than 9,000,000 barrels, against 20,000,000 barrels one year ago, and figures approaching the last

named for two and three years ago. The crop in New England is substantially half that of last year, according to the very latest and most careful estimates of leading and reliable growers. The middle west, including Illinois, Indiana, Missouri, Arkansas, etc., shows a sharp falling off from last year, while the far west, Colorado and the Rocky mountain territory to the Pacific coast, etc., has harvested a generally good crop of apples.

## MASSACHUSETTS NURSERYMEN.

H. T. Fernald, nursery inspector for the state of Massachusetts, reports 118 nurserymen in that State. Since his last published report he has stricken from his list the following: M. B. Baker, Campello; Martin Finnaghty, Lenox; Follansby Nursery, Hagget's Pond; O. K. Gerrish, Lakeville; E. H. Howland, Holyoke; E. R. Macomber, Chicopee Falls; Norton Brothers, Dorchester; W. C. Strong, Wabon; Whiting Nursery Company, Boston.

He has added the following: J. W. Patterson, Amesbury; R. B. King, T. H. Pierce, H. H. Voornevelt, Nantucket; H. Huebner, Groton; A. L. Bemis, Worcester; Herman Lips, Bedford; F. S. Macomber, Myricks; A. T. White, Charles W. Riley, New Bedford; J. J. McCormack, Malden; C. Howard Frost, West Newton; Mt. Carmel Nurseries, Roslindale; L. H. Pease,

Edgartown; J. W. Howard, Somerville; Sidney Littlefield, N. Abington; A. B. Gordon, Randolph; A. M. Tuttle, Melrose Highlands.

## FRUITS FOR HOME USE.

In reply to a query as to varieties of fruits to plant for family use in Central Illinois, George J. Foster, McLean Co., Ill., writes in Rural New Yorker:

Plant as follows: 28 apples, two Duchess, two Benoni, one Sweet June, two Maiden's Blush, two Fameuse, one Wealthy, one Ramsdell's Sweet, two Fall Pippin, three Jonathan, four Ben Davis, four Minkler, two Northwestern Greening, one Willow Twig, one Tolman. Twenty-four peach: Four Amsden, four Early Crawford, four Oldmixon Free, four Champion, four Late Crawford, four Elberta. Eight pear: Four Kieffer, one Seckel, one Bartlett, two Duchess, Dwarf; six Early Richmond cherry; 12 plum: four Wild Goose, two Abundance, two Burbank, two Lombard, two Wolf. Two Orange Quince. Grapes: Equal planting of Moore's Early, Worden, Concord and Niagara. Red raspberry, Cuthbert; black raspberry, three-fourths Gregg, one-fourth Older Blackberries, all Snyder. This will make plenty of fruit for one family the year around, to which should be added a liberal supply of rhubarb and asparagus, two of our "best fruits" in early spring, and later of course tomatoes, etc.

The Chautauque grape crop of this year is equal to about four-fifths of last year's crop. The prices are about 20 per cent. higher than last year and consequently the net proceeds will be about equal to those of 1904. Six thousand carloads have been shipped and will bring \$2,000,000 for wine and grapes.

**Wanted**—Several reliable farm hands who understand trimming orchard trees and spraying. A good opportunity to spend a winter in Florida. Apply, stating experience, to

THE GRIFFING FLORIDA ORCHARD CO.  
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Calvados, France

Offer a general assortment of Fruit Trees and General Nursery Stock, Roses, Etc. Prices very low. Packing secured. Catalogue free. Agents for the United States and Canada. C. C. Abel & Co.

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## BLACKBERRY PLANTS

Our stock of Blackberry plants is extra well grown and graded. We can furnish both root cuttings and sucker plants in almost all varieties named: Crystal White, Early Harvest, Erie, Eldorado, Kittatinny, Minnewaski, Early King, Rathbun, Mersereau, Ancient Briton, Ohmer, Stone's Hardy, Snyder, Taylor, Wilson's Early, Wilson Jr., Agawam, Wachusett, Iceberg. Fremo Dewberry, Lucetta Dewberry, Austin's Dewberry.

**TRANSPLANTS**—EXTRA HEAVY Golden Queen, Loudon, Mariboro, Haymaker; also a complete line of Raspberries, Currants, Gooseberries, Strawberries, Rhubarb, Asparagus, Horse Radish, 5,000 Rhubarb, large forcing size.

**CUTTINGS** Currant, Gooseberry, Privet, Poplar, Quince. Our large cellar is full ready for early orders.

W. N. SCARFF, New Carlisle, O.

## Write for Prices on

Apple, Pear, Grapes, Gooseberry, Snyder Blackberry and Asparagus Plants. Everything strictly true to name.

## Rosedale Nursery

G. F. Esenlaub, Prop.

ROSEDALE, KANSAS

## Every Kind of Nut-Tree at Wholesale

We have every variety of nut tree suited to any section. Our trees are raised from the best nuts obtainable, also grafted. All are large size, and prices very low. Our prices will save you money. Write

Square-Deal Nut-Tree Nursery, Wilmington, N. C.

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Plant Houses from \$20 Green Houses from \$40 Conservatories from \$75

GREEN HOUSE MATERIAL AT LOWEST RATE

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Plans, Estimates and Designs Submitted for Every Description of Horticultural Buildings

## TREES, PLANTS, Etc.

We have a fine lot of One-Year-Old and June Bud Peach Trees, One and Two-Year-Old Apple, Pear, Cherry and Plum Trees, Grape Vine, Shrubbery, Roses, etc. Also all kinds of Small Fruit Plants, Strawberry Plants by the Million. Write for Catalogue.

Chattanooga Nurseries, Chattanooga, Tenn.

## PECAN TREES AND NUTS

Gold and Silver Medals awarded our Nut and Tree Exhibits, St. Louis, 1904. High-grade budded and grafted trees of all best varieties. 770 acres in Pecans. Write for Catalogue "L", with which is incorporated a valuable treatise on Pecan Culture.

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DE WITT, GA.

"The best that money, location and experience can produce."

## CANNED TREES

Are the best that can be grown. You can get no better, no matter what you pay. A complete line for Fall delivery. Write for prices. Salesmen wanted. Nurseries at Carrollton and Jerseyville.

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## West Michigan Trees

Are "bred for bearing." That's why we cut all buds from the best fruited, bearing trees. It also insures stock true to name and variety. Over three million trees—018 acres. All new and standard varieties of Apple, Peach, Pear, Plum, Quince, etc. Also Ornamental Trees and Shrubs. We sell direct at wholesale prices. Illustrated catalogue free.

West Michigan Nurseries, Box 67, Benton Harbor, Mich.

## PHENOMENAL LOGAN PRIMUS MAMMOTH BLACK

Gray's Gardena Dewberries, Burbank's Crimson Winter Rhubarb, Carolina Poplars, Walnuts, Grape Vines. Also complete line of NURSERY STOCK.

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Growers and Wholesale and Retail Dealers of General Nursery Stock

OUR MOTTO: "Aye, keep plantin' a tree, Jock. It will be growin' when ye're asleepin'!"

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## JAMES A. BAUER Strawberry Specialist

New strawberry, The ALMO, the most productive berry introduced. Large, dark red berries with a strong, robust plant. Send for free catalogue of all varieties. No order too large.

JAS. A. BAUER,

Judsonia, Ark.

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## TRADE DEVELOPMENT

### THEY NEED NURSERY STOCK.

E. T. Sanford, of Knoxville, Tenn., and James Williams of Notime, Blount Co., Tenn., will operate an extensive fruit farm, eight miles from Maryville on the old Williams & Lowery land. They have purchased from the East Tennessee Nursery Company, 4,000 peach trees, 500 pear trees and 100 plum trees as the first order for the fruit farm.

The Highland Nursery company, Martinsburg, W. Va., has received a charter from the secretary of state and will organize with a capital of \$50,000. It has bought 1500 acres of land to plant apples, about eight miles from Martinsburg. This will be one of the largest apple orchards in the world. Among the stockholders are former Senator Faulkner, Judge Faulkner, ex-Gov. A. B. White, Gov. W. M. O. Dawson, Judge A. G. Dayton, Fish Commissioner Bowers and others prominent locally. It is said that Senator Charles J. Faulkner, will be elected president and C. P. Light, manager.

W. H. Harrison, Jr., Toledo, Ia., says: "I have secured a tract of 5317 acres coming to within a few rods of the depot at Deer Park, Ala. The Mobile & Ohio runs for six miles along one side of the tract. We shall put out 500 acres of fruit as fast as we can get the land cleared and the trees set out. We shall set mainly peaches, but shall have at least 100 acres of Summer apples. On each acre of peaches we shall set a number of pecans."

### WRAGG TREES



WE PAY FREIGHT.  
SEND for our handsome catalog of Trees, Shrubs, Roses, Evergreens, Etc.  
We deal Direct.  
Our prices are lowest.  
**M. J. WRAGG NURSERY COMPANY,**  
312 Good Rock, DES MOINES, IOWA.

### SURPLUS STOCK FOR SPRING at Tecumseh Nurseries

WE ARE LONG on Apple  $\frac{1}{2}$  and  $\frac{3}{4}$  inch; Montmorency and Dyehouse Cherry,  $\frac{1}{2}$  and  $\frac{3}{4}$  inch; Kieffer Pear No. 1; Japan and Hybrid Plums, 1 and 2 yr.; 200 European Plums 2 yr. No. 1; 100,  $\frac{3}{4}$  to  $\frac{1}{2}$  inch.  
Catalpa, 6 to 8, and 8 to 9 ft. fine; Hydrangeas, 2 to 3 ft. and Arbor Vitae Pyramidalis.  
We offer a general line of stock to the trade. Correspondence solicited. Address,  
**TECUMSEH NURSERIES, Cedarville, O.**

### Why Not Buy Privet

Where you can buy 1st class stock at prices that will please you. Let me quote you before you order.

**C. A. BENNETT**  
Robbinsville, N. J.

The Minden Fruit and Truck Farm company, capital \$25,000, has been incorporated at Minden, Tenn.

British Columbia has 13,000 acres devoted to fruit culture; it will be increased to 20,000 acres the coming season.

A stock company of which Charles Haley is the head has been formed at Haleyville, Ala., to grow peaches for the Northern markets.

Iowa capitalists have purchased 14,000 acres of land near Alice, Texas, which will be colonized with fruit and truck growers. The price paid was \$100,000.

The La Fourche, La., Pecan Growers' Association, with a capital of \$50,000, has been organized to engage in growing pecans. The officers are: President and general manager, J. B. F. Showalter; vice-president, C. B. Crandall; secretary and treasurer, George H. Lewis.

Incorporated at St. Louis: Missouri-Arkansas Fruit Tree Company, J. G. McNair, 320 shares; R. B. Snow, 20 shares; C. F. Mathias, 10 shares. To promote horticulture; to establish and conduct farms, engage in fruit growing, stock raising, etc. Capital stock, full paid, \$35,000.

The Ozark Land & Fruit Growing company of St. Louis, has filed its articles with the secretary of state. The capital stock is \$50,000, all of which is to be used in Washington county. The incorporators are Charles E. Ware, St. Louis, president; Bryan Snyder, Charles Cummings Collins, St. Louis; W. G. Vincenheller, Fayetteville; G. A. A. Deane, Little Rock. G. A. A. Deane is designated agent for Arkansas.

Teas Weeping Mulberries, Fine Specimens,  
Texas Umbrella Chinas.

Select Southwestern Trees, Fruits, Etc.

**Commercial Nursery & Orchard Co.**  
(Formerly Kerr's Nursery) **SHERMAN, TEXAS**

### RHODES DOUBLE OUT PRUNING SHEAR



**RHODES MFG. CO.**  
422 West Bridge St., GRAND RAPIDS, MICH.

Cuts from both sides of limb and does not bruise the bark.  
We pay Express charges on all orders.  
Write for circular and prices.



### Tree Protectors

75c per 100  
\$5.00 per 1,000

As valuable in summer against sun-scald, hot winds, etc., as they are in winter against cold and rabbits. Recommended by all leading Orchardists and Horticultural Societies. Send for samples and testimonials. Do not wait until rabbits and mice ruin your trees. Write us today. Wholesale Nursery Catalogue now ready. Send for copy.

Agents Wanted Everywhere

**Hart Pioneer Nurseries**  
Fort Scott, Kans. Box 50

### TWO MILLIONS FOR PEACHES.

Figures just published show that refrigerator cars were shipped with fruit from Benton Harbor and St. Joseph, Mich., the leading shipping points in Berrien county, as follows:

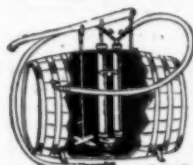
	Benton Harbor.	St. Joseph.
Big Four .....	643	...
Michigan Central .....	619	135
Pere Marquette .....	303	90
Total .....	1565	225

The total number of cars shipped from Benton Harbor and St. Joseph was 1,890. Each of these cars, it is calculated, paid the shippers \$400 and the total amount will reach \$750,000.

It is claimed by the boat people that more fruit was shipped by boat than by rail and this is probably so, as the boats carry fruit of the twin cities long before the railroad lines commence to run refrigerator cars.

Under these conditions it is estimated that the value of the past peach crop has been in the neighborhood of \$2,000,000 to Berrien county and of this St. Joseph and Benton Harbor share the largest portion.

As a result of its consolidation with the Erie System, the exclusive contract of the Pere Marquette to use refrigerator cars of the Armour line for the transportation of Michigan fruit will be annulled.



### Defender Sprayer

All brass, easiest working, most powerful, automatic mixer, expansion valves, double strainer. Catalogue of Pumps and Treatise on Spraying free.  
AGENTS WANTED.  
J. T. Gaylord, Box 90 Catskill, N. Y.

### New Market Nurseries

TAILORED PERRY, JR., Prop.  
**TREE AND SHRUB SEEDLINGS, VINES, ETC.**  
At Lowest Wholesale Prices. PRICE LIST FREE.  
New Market Nurseries, New Market, Ala.

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DENISON, TEXAS.  
Originators and Introducers of  
**EXTRA VALUE VARIETIES OF GRAPES**  
suited to any particular purpose or location. Catalog free on application. Will be pleased to correspond with nurserymen desiring to catalog any of our introductions.

### For Sale--Cheap!

30 Shares of Stock

Of National Nurseryman Publishing Company  
**Nearly One-Third Entire Issue**  
N. U., care AMERICAN FRUITS, Rochester, N. Y.

### Nursery Pruner No. N

Cut is exact size.  
Blade is hand forged and warranted.  
No shoddy here.  
Sample by mail, 50c.



Grafting Knife by mail, 25c. Nursery Budding Knives, 25c. Pocket Budding Knife, 35c. All Steel Pruning Shears, California pattern, postpaid \$1.00.  
Nursery and Florists' Propagating Knife, white handle, 50c.—You pay 75c. for a much inferior knife. Send for 12 page SPECIAL NURSERY CATALOGUE.

**MAHER & GROSH CO., 92 A Street, TOLEDO, OHIO**

When writing to advertisers please mention AMERICAN FRUITS.

## COMMERCIAL ORCHARDING

### INDIANA FRUIT.

Statistics prepared by the office of the State Statistician, Joseph H. Grubbs, show the following fruit trees in Indiana: Apple, 4,222,078; pear, 635,805; peach, 1,569,688; plum, 641,449; cherry, 672,971; all other fruit trees, 532,883.

In apples Harrison county leads in the crop of 1905, with 99,500 bushels; Spencer second, with 77,000 bushels; Bartholemew third, with 63,200 bushels. Other Southern Indiana counties that follow close are Clark, Floyd, Washington, Davies and Martin. Harrison county leads in the number of apple trees, 178,826; Washington county with 88,700, and Perry, Gibson, Ripley, Green and Davies following.

Harrison county has 34,220 pear trees; Gibson 29,507, and Floyd, Clark, Washington and Vanderburg following.

Delaware county has the most plum trees, 25,989; but several Southern Indiana counties are also famous for plum growing.

Green county has the largest number of peach trees, 105,450; but for crops of peaches year in and year out, the Southern Indiana counties surpass all other counties in the State for regular and large production and the quality of the fruit.

### P. SEBIRE & SON

Nurserymen, Ussy, Calvados, France

Offer a general assortment of Fruit Tree Stocks, such as Apple, Pear, Myrobalan Plum, Mahaleb and Mazzard Cherry, Angers Quince, Small Evergreens, Forest Trees, Ornamental Shrubs, Roses, Etc. The largest stock in the country. Prices very low. Grading and packing the very best. Send for quotations before placing your orders. Catalogue free.

C. C. ABEL & CO.

Agents for United States and Canada

110-116 BROAD STREET, NEW YORK

### Pioneer Nurseries Co.

SALT LAKE CITY, UTAH

PEACH, PEAR, APPLE AND  
PLUM IN CAR-LOAD LOTS

We equalize freight rates with Eastern points.

The most famous counties in Indiana for the production of strawberries and raspberries, are Floyd, which leads, Harrison, Clark and Perry. The crop of strawberries marketed from New Albany in 1905 aggregated 486,692 gallons; while the raspberry shipments aggregated 263,215 gallons. The berries represent an average value of the season through of fifty cents per gallon.

### NOT LIKE THE OLD DAYS.

An apple merchant of Cincinnati, referring to the old days in the apple business and present conditions, says in the Packer:

"Nowadays, when you call on Smith he receives you pleasantly as of yore, but you are about the 350th man who has called on Bill and you find that he has not made up his mind to sell. Instead of offering him \$1.50 as in other days, you offer him \$2.50 and he tells you that for old times sake he would like you to have his apples but that he has already been offered \$2.75 and he wouldn't take that; in fact, he is not ready to sell and that ends it. He doesn't tell you about Jim Brown having a crop, neither

does he offer to drive you over, but offers to let you use his telephone. If you call up Brown the same situation confronts you, 'not ready to sell.'

"Well, all the traveling men meet at the hotel each night and swear by all the eternal that they wouldn't pay over \$2. But some of them get nervous; they are afraid of the other fellow and the consequence is Mr. Grower gets what he asks for his apples; and the minute one grower sells he telephones to every other grower in the county, puts them all next to the price, and there you are. I don't blame the grower, he is the smarter man of the two."

Secretary L. R. Bryant, of the Illinois Horticultural Society has issued a circular letter urging a representative display of fruit at the annual meeting of the society at Champaign, December 12-15. This is the Semi-Centennial meeting of this society.

AMERICAN FRUITS—50 Cents for One Year.

### Apple, Pear and Forest Tree Seedlings

When in need consult your interests by consulting our prices. We grow many other items for the trade.

J. A. GAGE, BEATRICE, NEB.

### Olinger's Dibler and Transplanter

The only dibler ever made for resetting, transplanting, fertilizing with dry or liquid. Also used as lawn weeder, taking out small roots or worming tobacco or other weeds; also at kitchen or hearth for hot coals or other purposes. Price 50c by express or mail.

Dealer, send for circular.

J. OLINGER & CO., 200 W. 44th St., N. Y.



### One Year Cherry Trees

Let us send you our circular telling all about the best Cherry Trees on earth. You must see a sample to be convinced. Everyone who received any from us in 1904 pronounced our one year trees the best by far they had ever seen. We also have PEACH and a general line of NURSERY STOCK. Get our prices before you buy elsewhere.

H. M. SIMPSON & SONS,  
Vincennes, Ind.

### Peach Seed

Mountain Grown Natural seed in any quantity. Must be sold. Write for prices.

PINNACLE SEED & NURSERY CO.  
Rochester, N. Y.

THE G. M. BACON PECAN CO.  
INCORPORATED

DeWitt, Ga., August 3rd, 1905.

### Ward-Dickey Steel Co.

Indiana Harbor, Ind.

Gentlemen—The last shipment of soft steel box strap, arrived in good time and condition. They are ideal for strapping heavy boxes of nursery stock. The metal is soft enough to permit any kind of nail being driven through it without the use of any punch. We are greatly pleased with the material.

Yours truly,

HERBERT C. WHITE,  
2d V. P. and Horticulturist.

### Vincennes Nurseries

VINCENNES, IND.

W. C. REID, Proprietor.

### CAR LOTS A SPECIALTY.

Apple, 2 and 3 year; Cherry, 2 year, 3/4 and up; Cherry, 1 year, 3/4 and up, 4 to 5 feet, extra fine; Cherry, 1 year, 3/4 to 3/8, 1/2 to 3/8; Plum, European and Japan, 1 to 2 year; Standard Pear, 1, 2 and 3 year; Peach, Apricot and Quince; Roses budded on own roots; Carolina Poplar, Sycamore and other Shade Trees; Good Assortment of Shrubs. Personal Inspection Invited Correspondence Solicited

### Peach Seed

Genuine Mountain Naturals

CROP 1905

We have just received a few hundred bushels of nice clean stock. Write for prices.

J. Van Lindley Nursery Co.

POMONA, N. C.

### Heikes-Huntsville-Trees

HUNTSVILLE WHOLESALE NURSERIES  
HUNTSVILLE, ALA.

We offer for the Fall of 1905 and Spring of 1906, PEARS, PLUMS, CHERRIES, PEACHES, ROSES and PECANS in large quantities as usual.

Some Figures—It is estimated that there are imported into the United States annually 5,000,000 pear seedlings and 10,000,000 Mahaleb seedlings. Of these we plant one-fifteenth of the Mahalebs and one-tenth of the pears.

SEE OUR PRICE LIST FOR PARTICULARS

WORLD'S FAIR—We were awarded a Grand Prize, a Gold Medal and a Silver Medal on our exhibits at the World's Fair, St. Louis.

Address W. F. HEIKES, Mgr., Huntsville, Ala.





## Painesville Nurseries

FOR OVER HALF A CENTURY HAVE MADE A  
SPECIALTY OF SUPPLYING DIRECT TO PLANTERS

NURSERY STOCK, PLANTS and SEEDS



WE OFFER  
A FULL LINE OF

Fruit and  
Ornamental  
Trees,  
Grape Vines  
Small Fruits,  
Shrubs,  
Roses, Tender  
and  
Hardy Plants,  
Bulbs, etc.

ILLUSTRATED CATALOGUE FREE

51 Years. 1200 Acres. 44 Greenhouses.

**The Storrs & Harrison Co.**

PAINESVILLE, O.

## Bridgeport Nurseries

Have for Spring 1906 a large stock and fine assortment of varieties of

European, Japan and Native **Plums,** Standard and Dwarf **Pears,**  
Sweet and Sour **Cherries**

PEACH, APPLE, QUINCE and other fruit trees in  
**All Grades** also Small Fruits, Vines, etc.

In the ORNAMENTAL Department a fine stock of SHADE TREES, SHRUBS, VINES, ROSES, PAEONIES, EVERGREENS, MAGNOLIA, ETC.

For WINTER and SPRING SHIPMENT a good stock of APPLE SEEDLINGS, FOREST SEEDLINGS, IMPORTED PEAR, PLUM and CHERRY SEEDLINGS.

GRAFTS put up TO ORDER ONLY, SO ORDER EARLY.

WE INVITE PERSONAL INSPECTION.

Best of SHIPPING FACILITIES. A large and full line of stock in STORAGE which can be shipped any day.

**ALBERTSON & HOBBS**

Bridgeport, Marion Co., Ind.

## For Spring of 1906

We offer a complete line of Fruit and Ornamental Trees, Shrubbery, Roses, Etc. A special fine stock of the following at very low prices

Catalpas	Norway Spruce	Hydrangea (Trees)
American Elm	Altheas	Tree Lilacs
Ash-Leaf Maple	Almonds	Snowballs
Silver Maple	Calycanthus	Spiraeas
Weir's C. L. Maple	Deutzias	Wistaria
Carolina Poplars	Honeysuckle	Tree Roses
California Privet	Hydrangea P. G.	H. P. Roses
	Crimson Rambler Roses, Etc.	

WRITE US FOR QUOTATIONS. WE CAN SAVE YOU MONEY.

**H. S. TAYLOR NURSERY CO.**

ROCHESTER, N. Y.

## W. M. PETERS' SONS

SNOW HILL, MD.

Telegraph Office with Phone Connection, Snow Hill or Berlin, Md.

Offer for Spring 1906

Peach Trees, more than fifty varieties, 1 year from bud; upwards of a million fine trees. California Privet, large stock. Grape Vines, 30 acres, 1 and 2 years, well grafted, varieties in greatest quantity.

*Concords, Moore's Early and Niagara.*

Strawberry Plants, 20 acres, 50 varieties. Fine, strong Plants from new beds.

SEND IN YOUR LIST OF WANTS FOR SPECIAL PRICES.

## TREES

Fruit, Shade and Ornamental Trees, Evergreens, Roses, Shrubs, Etc.

Wholesale and retail.

Long list of varieties suitable to all sections.

Full line for Spring, 1906.

Dealers trade a specialty.

Peach Seed, California Privet.

Send Us Your List of Wants for Prices.

**FRANKLIN DAVIS NURSERY CO.**

BALTIMORE, MD.

The L. Green & Son Co.

## Western Reserve Nurseries

PERRY, LAKE COUNTY, O.

Carry a Most Complete Line of the Wants of the Trade.

A fine assortment of Perennials properly grown and handled and packed right can ship at any time to any place.

Strong surplus of American Sweet Chestnut—all sizes from two feet up. Carolina Poplars—all sizes, extra fine blocks. Nice stock of Currants, Grapes, Rhubarb, Silver Maple, Weigela, Spirea Van Houttei, Am. Snowball, Cornus ass't., Privet, Purple Fringe, Deutzias, Syringas, Hydrangea, Yuccas and Honeysuckles.

Also Arbor Vitae, Siberian, Pyramidalis and Tom Thumb. Pines—assorted, Hemlock and Spruce. All evergreens three times transplanted and extra fine.

PLEASE SEND US YOUR LISTS TO PRICE

Correspondence Solicited and Inspection Invited.

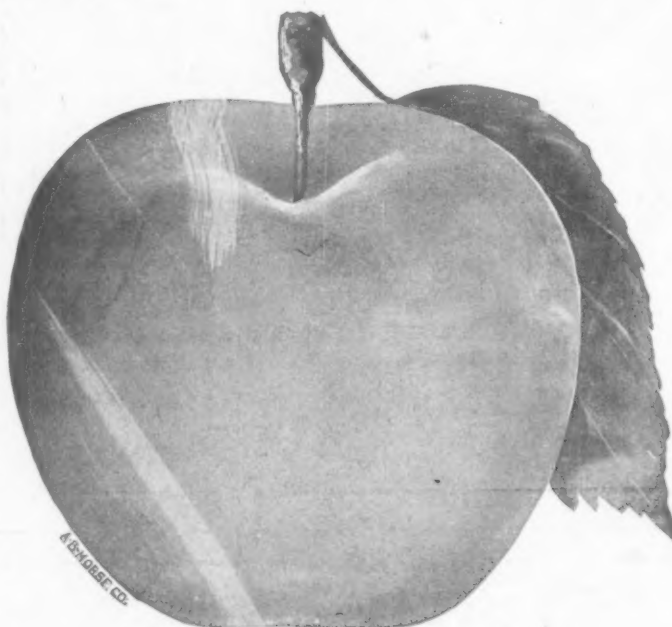
# J. G. HARRISON & SONS

Berlin, Maryland

Have in Surplus for Commercial Orchards

## == APPLES ==

	5-7	5-6	4-5	3-4
Alexander	100	200	200	100
Albemarle Pippin	500	500	200	100
Baldwin	9000	9000	9500	8500
Ben Davis	8500	8500	5000	6500
Early Strawberry	1000	—	—	—
Fameuse	200	200	200	—
Gravenstein	200	400	400	300
King	2000	3000	2000	1000
Limber Twig	200	200	200	200
M. B. Twig	3000	500	300	300
M. Pippin	3000	1000	1000	1000
Mann	1500	500	500	100
N. W. Greening	5000	4000	4000	4000
Red Astrachan	3000	—	—	—
Stark	1000	5000	4000	3000
Sutton's Beauty	—	500	500	500
Smith's Cider	3000	3000	2000	1000
Wagner	500	—	—	—
Rambo	100	100	100	100
Yellow Belle Flower	1000	500	500	100
Yellow Transparent	—	500	500	500



## Peaches One Year From Bud

	5-7	5-6	4-5	3-4	2-3	1-2		5-7	5-6	4-5	3-4	2-3	1-2
Belle of Ga.	1000	1000	1000	1000	1000	1000	Lewis	100	100	500	500	500	500
Bray's Rarieripe	—	—	500	500	500	500	Moore's Fav.	500	500	500	1000	1000	1000
Bokara	100	100	300	300	300	300	Mt. Rose	500	1000	1000	—	2000	2000
Brandywine	100	100	300	300	300	300	Mary's Choice	100	100	500	500	200	200
Chair's Choice	1000	1000	1000	1000	3000	3000	Old Mixon Free	—	1000	1000	—	1000	1000
Crawford Late	1000	1000	—	—	3000	3000	Prize	100	100	100	200	200	200
Carman	—	—	—	—	2000	2000	Picquet's Late	100	100	100	200	200	200
Connett's So. Early	100	100	500	1000	2000	2000	Red Cheek Melocotoon	200	200	200	400	400	400
Champion	—	—	—	—	2000	2000	Reeve's Fav.	1000	2000	2000	—	3000	3000
Crawford Early	—	—	500	1000	1000	—	Stephen's Rarieripe	—	—	500	500	1000	1000
Elberta	—	—	—	1000	10000	15000	Salway	1000	500	1000	—	3000	3000
Foster	500	500	500	500	500	500	Stump	—	500	500	—	1000	1000
Fox Seedling	—	1000	2000	3000	3000	3000	Thurbur	200	200	200	100	100	100
Frances	1000	1000	1000	500	200	—	Triumph	200	200	200	200	200	200
Globe	500	500	500	500	500	1000	Victor	200	200	200	200	200	200
Greensboro	300	—	—	—	1000	3000	Wheatland	—	—	500	1000	1000	1000
Geary's Holdon	—	—	500	500	500	500	Wonderful	—	1000	2000	3000	3000	3000
Hill's Chili	—	1000	2000	3000	3000	3000	Waddell	100	100	—	—	500	500
Kalamazoo	—	—	—	500	500	500	Yellow St. John	—	—	500	500	500	500

Five Million Strawberry Plants; Varieties and Prices on Application. Let Us Have Your Order.